DEAR SHARP CUSTOMER

Thank you for your purchase of a SHARP LCD Monitor. To ensure safety and many years of trouble-free operation of your product, please read “IMPORTANT INFORMATION” and “IMPORTANT SAFETY INSTRUCTIONS” carefully before using this product.

IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user’s authority to operate this equipment. U.S.A. ONLY

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as video equipments, use shielded cables and connectors for connections. U.S.A. ONLY

IMPORTANT INFORMATION

INFORMATION:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help. U.S.A. ONLY

DECLARATION OF CONFORMITY:
SHARP LCD MONITOR, MODEL TL-M5200/TL-M4600
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
RESPONSIBLE PARTY:
SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163
TEL: 1-800-BE-SHARP
For Business Customers: URL http://www.sharpusa.com U.S.A. ONLY

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities, the Electronic Industries Alliance: www.eiae.org, the lamp recycling organization: www.lamprecycle.org or Sharp at 1-800-BE-SHARP U.S.A. ONLY

Authorized representative responsible for the European Union Community Market

Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg E.U. ONLY

Trademarks

- Microsoft® and Windows® are registered trademarks of Microsoft Corporation.
- "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."
- All other brand and product names are trademarks or registered trademarks of their respective holders.

IMPORTANT SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your LCD Monitor, please read the following precautions carefully before using the product.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

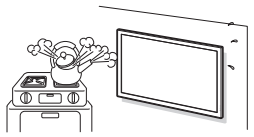
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information

15) Power Sources — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
16) Overloading — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17) Object and Liquid Entry — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18) Damage Requiring Service — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
19) Replacement Parts — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20) Safety Check — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
21) Wall mounting — When mounting the product on a wall, be sure to install the product according to the method recommended by the manufacturer.
22) The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.

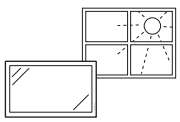
IMPORTANT SAFETY INSTRUCTIONS

- Water and Moisture — Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.



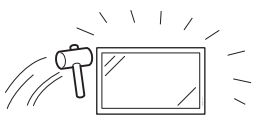
- Stand — Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Do not allow the monitor to receive strong shocks or to strongly vibrate. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

- Selecting the location — Select a place with no direct sunlight and good ventilation.

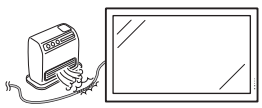


- Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

- The Liquid Crystal panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the panel breaks.



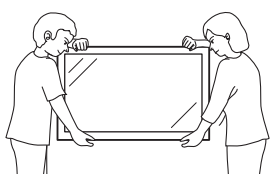
- Heat — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



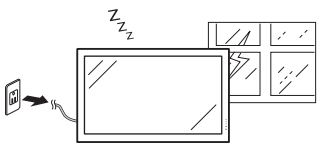
- The Liquid Crystal panel is a very high technology product with 2,073,600 pixels, giving you fine picture details.
  Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Also, if the screen is viewed from an acute angle there may be uneven colors or brightness.
  Please note that this does not affect the performance of your product.

Precautions when transporting the monitor

- Be sure to always carry the monitor by two people holding it with two hands — one hand on each side of the monitor.
- Do not hold onto the attached optional speakers when transporting the monitor.

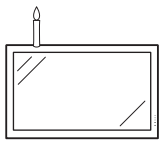


- Lightning — For added protection for this monitor equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the equipment due to lightning and power-line surges.

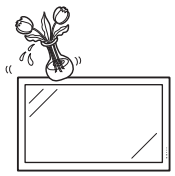


IMPORTANT SAFETY INSTRUCTIONS

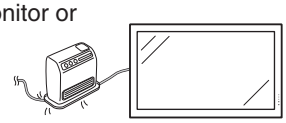
- To prevent fire, never place any type of candle or flames on the top or near the monitor.



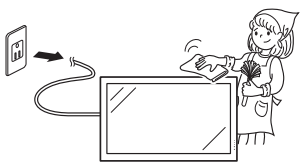
- To prevent fire or shock hazard, do not expose this product to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the product.



- To prevent fire or shock hazard, do not place the power cord under the monitor or other heavy items.



- Turn off the power and unplug the power cord from the wall outlet before handling.
- Use a soft cloth and gently wipe the surface of the display panel. Using a hard cloth may scratch the panel surface.
- Use a soft damp cloth to gently wipe the panel when it is really dirty. (It may scratch the panel surface when wiped strongly.)
- If the panel is dusty, use an anti-static brush, which is commercially available, to clean it.
- To protect the panel, do not use a dirty cloth, liquid cleaners or chemical cloth to clean it, such materials may damage the panel surface.
- To clean the outer cabinet, use the same method. Do not use liquid or aerosol cleaners.



- Do not display a still picture for a long time, as this could cause an afterimage to remain.

- Never rub or tap the monitor with hard objects.
- Please understand that SHARP CORPORATION bears no responsibility for errors made during use by the customer or a third party, nor for any other malfunctions or damage to this product arising during use, except where indemnity liability is recognized under law.
- This monitor and its accessories may be upgraded without advance notice.
- Do not use the monitor where there is a lot of dust, where humidity is high, or where the monitor may come into contact with oil or steam, as this could lead to fire.
- Ensure that no objects such as paper clips or pins enter the monitor as this could lead to fire or electric shock.

Fluorescent tubes

- The fluorescent tubes in this product have a limited lifetime.
  * If the screen gets dark, flashes, or does not turn on, change the fluorescent tubes with new exclusive ones.
  * For more information, please contact your product dealer.
- Because of the property of fluorescent tubes, the screen may flash during the initial period of use. If this happens, please turn off the power of the monitor and turn on again to confirm operation.

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How to Access the PDF Operation Manuals

PDF operation manuals in several languages are included in the CD-ROM. To utilize these manuals, you need to install Adobe® Reader® on your computer (Windows® or Macintosh®).

Please download Adobe® Reader® from the Internet (http://www.adobe.com).

■ Accessing the PDF manuals

For Windows®:

1 Insert the CD-ROM in the CD-ROM drive.
2 Double click the “My Computer” icon.
3 Double click the “CD-ROM” drive.
4 **When you want to view the operation manual**
1) Double click the “MANUALS” and the “M520_460” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the PDF file to access the operation manual.

When you want to view the SETUP MANUAL
1) Double click the “SETUP” and the “M520_460” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the PDF file to access the SETUP MANUAL.

For Macintosh®:

1 Insert the CD-ROM in the CD-ROM drive.
2 Double click the “CD-ROM” icon.
3 **When you want to view the operation manual**
1) Double click the “MANUALS” and the “M520_460” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the PDF file to access the operation manual.

When you want to view the SETUP MANUAL
1) Double click the “SETUP” and the “M520_460” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the PDF file to access the SETUP MANUAL.

Note

- If the desired PDF file cannot be opened by double clicking the mouse, start Adobe® Reader® first, then specify the desired file using the “File”, “Open” menu.

SETUP MANUAL

Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for details.

RS-232C Specifications and Commands 2
Setting up the Monitor Network Environment 10
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Setting up the Monitor Using RS-232C or Telnet 21
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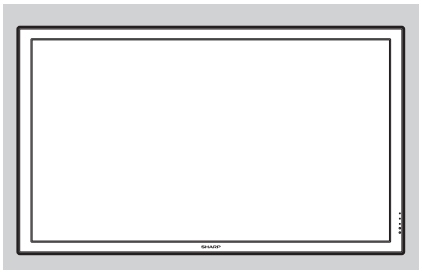
Accessories

■ Supplied accessories

If any component should be missing, please contact your dealer.

☐ Liquid Crystal Display: 1



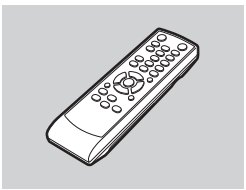
☐ Power cord (Approx. 6 feet [1.8 m])
(1) For U.S. and Canada, etc.
<QACCDA007WJPZ>
(2) For Europe, except U.K.
<QACCVA011WJPZ>
(3) For U.K. and Singapore
<QACCBA036WJPZ>
(4) For Australia, New Zealand and Oceania
<QACCLA018WJPZ>

☐ R-6 battery (“AA” size, UM/SUM-3, HP-7 or similar): 2

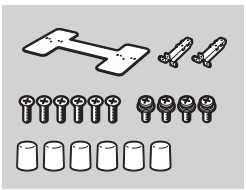
☐ CD-ROM: 1
<UDSKAA100WJN1>

☐ Operation manual: 1
<TINS-D530WJN1>

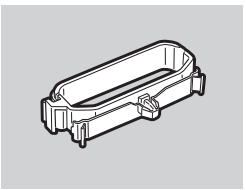
☐ Remote control: 1
<RRMCGA665WJSA>



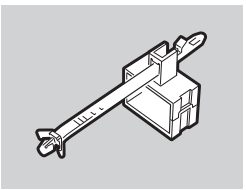
☐ Setup stand: 1



☐ Cable clamp: 1
<LHLDWA173WJKZ>



☐ Power cord clamp: 1
<LHLDKA007WJKZ>



* For environmental protection!
Do not dispose of batteries in household waste. Follow the disposal instructions for your area.

Note

- Codes in “< >” are Replacement parts codes.
- Use the power cord that corresponds to the wall outlet in your country.

■ Optional accessories

The listed optional accessories are available for the LCD Monitor.
Please contact the nearest Sharp Authorized Dealer.

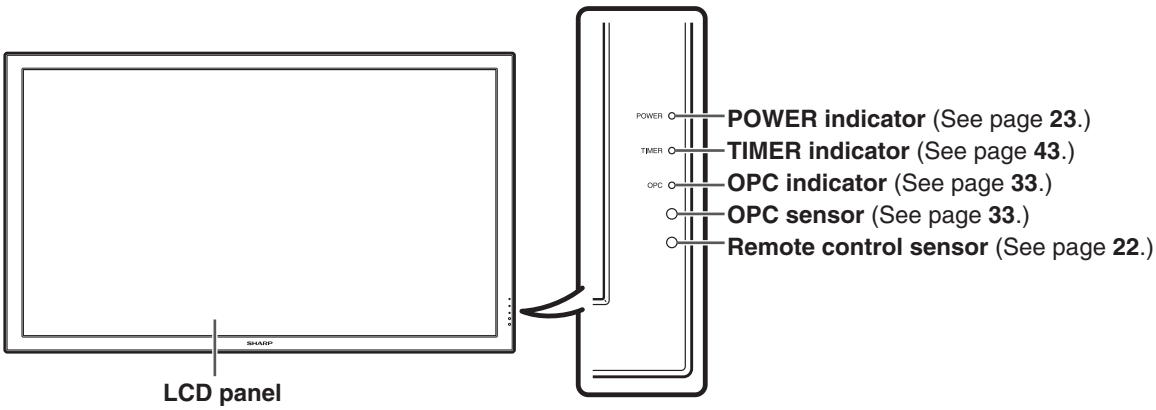
☐ Speaker unit : AN-52SP2, AN-46SP2
☐ Wall-mount bracket : AN-52AG4
☐ USB remote receiver : AN-MR2

Note

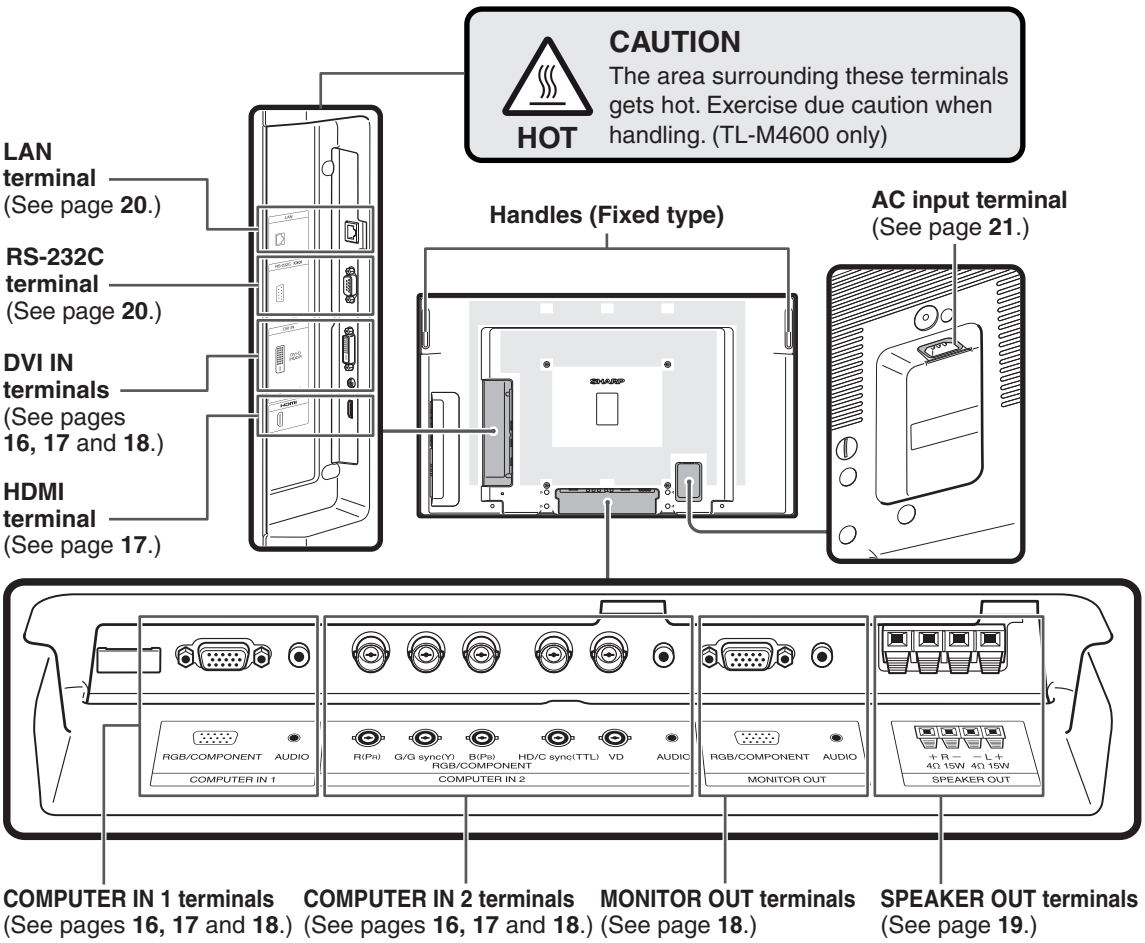
- Some of the optional accessories may not be available depending on the region. Please check with your nearest Sharp Authorized Dealer or Service Center.
- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalog for compatibility and check the availability.

Part Names

Front view



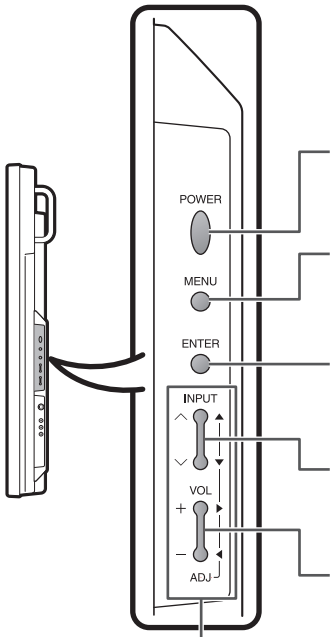
Rear view



Note

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- The illustrations used throughout this manual are based on TL-M5200.

Side view



POWER button
For turning the main power on.
(See page **23**.)

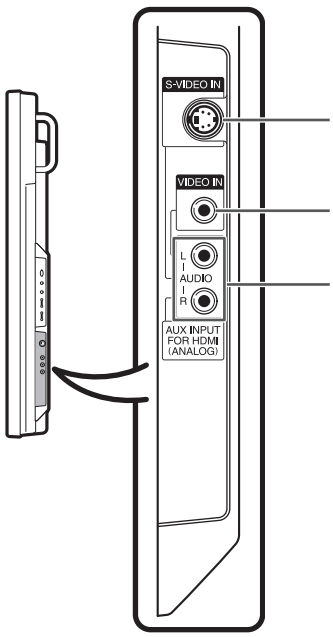
MENU button
For displaying adjustment and setting screens.
(See page **30**.)

ENTER button
For setting items selected or adjusted on the menu.
(See page **30**.)

INPUT buttons (∧/∨)
For selecting the input mode.
(See page **24**.)

VOL (Volume) buttons (+/–)
For adjusting the speaker sound level.
(See page **24**.)

Adjustment buttons (▲/▼/◄/►)
For selecting and adjusting menu items.
(See page **30**.)

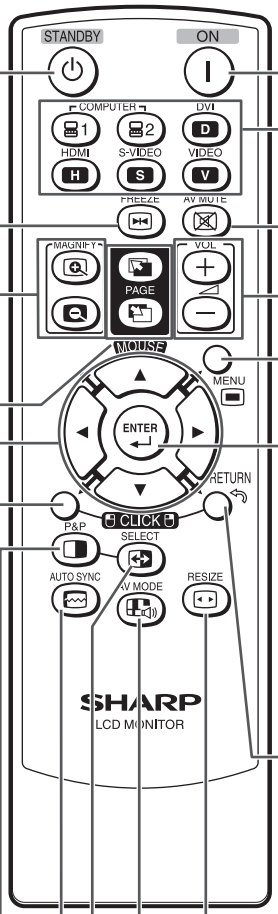


S-VIDEO IN terminal
(See pages **17** and **18**.)

VIDEO IN terminal
(See pages **17** and **18**.)

AUDIO terminals
(See page **18**.)

Remote control



STANDBY button
For putting the monitor into the standby mode.
(See page **23**.)

FREEZE button
For freezing images.
(See page **27**.)

MAGNIFY buttons
For enlarging/reducing part of the image.
(See page **27**.)

PAGE UP/PAGE DOWN buttons
Functions the same as the [Page Up] and [Page Down] keys on a computer keyboard using the optional USB remote receiver when the monitor is connected to a computer.
(See page **29**.)

Adjustment/MOUSE buttons (▲/▼/◄/►)
- For selecting and adjusting menu items.
  (See page **30**.)
- The computer cursor may be moved using the optional USB remote receiver when the monitor is connected to a computer.
  (See page **29**.)

L-CLICK button
The Left button can be clicked using the optional USB remote receiver when the monitor is connected to a computer.
(See page **29**.)

P&P button
For setting the split-screen picture mode. Press **P&P** again to return to normal view.
(See page **28**.)

AUTO SYNC button
For automatically adjusting images when connected to a computer.
(See page **27**.)

ON button
For turning the power on.
(See page **23**.)

COMPUTER 1, COMPUTER 2, DVI, HDMI, S-VIDEO, VIDEO buttons
For switching to the respective input modes.
(See page **24**.)

AV MUTE button
For temporarily displaying a black screen and turning off the sound.
(See page **24**.)

VOL (Volume) buttons (+/–)
For adjusting the speaker sound level.
(See page **24**.)

MENU button
For displaying adjustment and setting screens.
(See page **30**.)

ENTER button
For setting items selected or adjusted on the menu.
(See page **30**.)

RETURN/R-CLICK button
- For returning to the previous menu screen during menu operations.
  (See page **30**.)
- The Right button can be clicked using the optional USB remote receiver when the monitor is connected to a computer.
  (See page **29**.)

RESIZE button
For switching the picture size.
(See page **25**.)

AV MODE button
For selecting appropriate settings for picture and audio.
(See page **27**.)

SELECT button
For selecting either screen to be active in split-screen mode.
(See page **28**.)

How to Install the Monitor

Mounting precautions

- Mounting the monitor on the wall requires special expertise and the work must be performed by an authorized SHARP dealer. You should never attempt to perform any of this work yourself. Our company will bear no responsibility for accidents or injuries caused by improper mounting or mishandling.
- This monitor is designed to be installed on a concrete wall or pillar. Reinforced work might be necessary for some materials such as plaster / thin plastic board / wood before starting installation.
  This monitor and bracket must be installed on a wall which can endure at least 4 times or more the weight of the monitor. Install by the most suitable method for the material and the structure.
- This monitor can not be installed in a vertical orientation.
- Since the monitor is heavy, consult your dealer before installing, removing or moving the monitor.
- When installing, removing or moving the monitor, ensure that this is carried out by at least 2 people.
- When moving the monitor, be sure to hold it with the handles both on the rear and the unit bottom. Do not hold the LCD panel. This may cause product damage, failure, or injury.
- This monitor should be used at an ambient temperature between 32°F (0°C) and 104°F (40°C). Provide enough space around the monitor to prevent heat from accumulating inside.
- Do not block any ventilation openings. If the temperature inside the monitor rises, this could lead to a malfunction.
- Do not place the monitor on a device which generates heat.

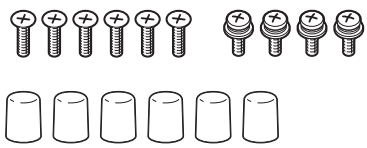
Attaching the setup stand

Before performing work spread cushioning over the base area to lay the monitor on. This will prevent it from being damaged.

! Caution

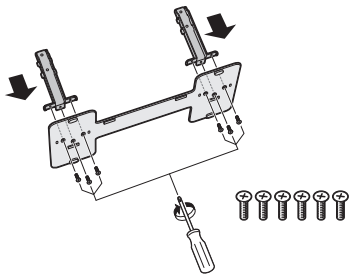
- Please note that the setup stand is for temporary use only until the monitor is properly mounted.
- Attach the stand in the correct direction.
- Be sure to follow the instructions. Incorrect installation of the stand may result in the monitor falling over.

1



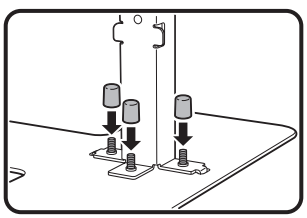
Confirm that there are 10 screws and 6 caps supplied with the stand.

2



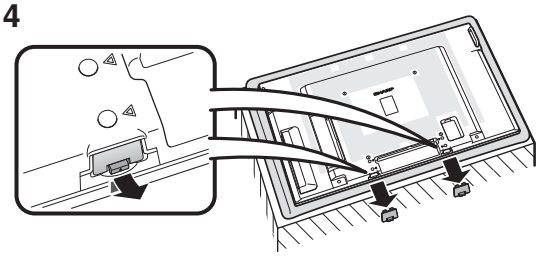
Assemble the stand using the 6 screws.

3



Put the caps on the screws that have been screwed into the stand.

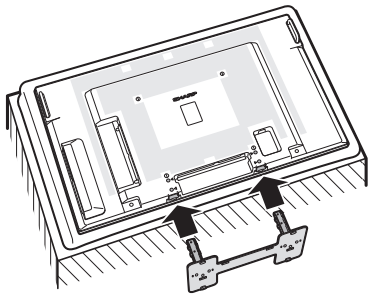
4



Remove the protective covers from the underside of the monitor.

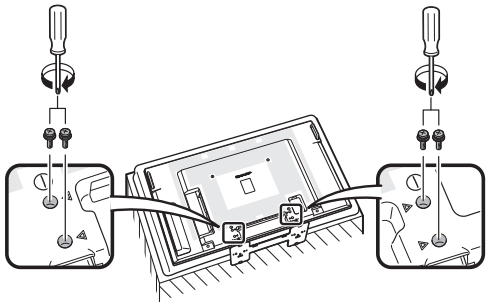
How to Install the Monitor

5



Insert the stand into the openings on the underside of the monitor.

6



Insert and tighten the screws into the 4 holes on the rear of the monitor.

Note

- To detach the stand, perform the steps in reverse order.
- Store the protective covers. You will need them after detaching the stand.

Mounting the monitor on the wall

■ Handling and precautions with the wall-mounted monitor

- You can mount the monitor on the wall using the optional AN-52AG4 bracket.
- For details, refer to the instructions supplied with the optional AN-52AG4 bracket.

! Caution

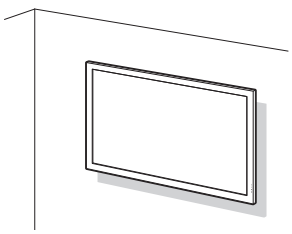
- This monitor should be mounted on the wall only with the AN-52AG4 (SHARP) wall-mount bracket. The use of other wall-mount brackets may result in an unstable installation and may cause serious injuries.
- Installing the monitor requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.

Using a SHARP recommended bracket to mount the monitor

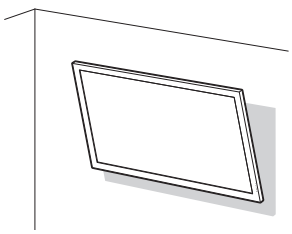
- You can ask a qualified service professional about using a SHARP recommended AN-52AG4 bracket to mount the monitor to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

Hanging on the wall

AN-52AG4 wall-mount bracket. (See the bracket instructions for details.)

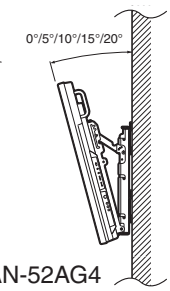


Vertical mounting



Angular mounting

About setting the monitor angle



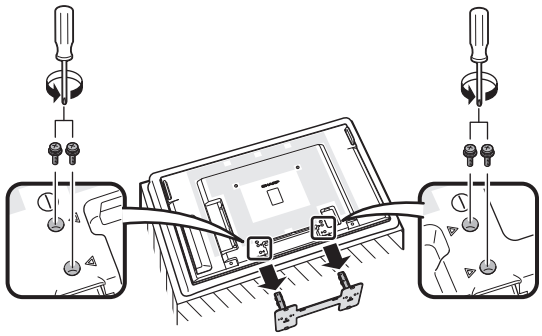
AN-52AG4

- The center of the display
  TL-M5200:
  5¼ inch (136 mm) under the "A" position.
  TL-M4600:
  $6\frac{55}{64}$ inch (174 mm) under the "A" position.
- Refer to the operation manual of AN-52AG4 for details.

■ Mounting the monitor on the wall

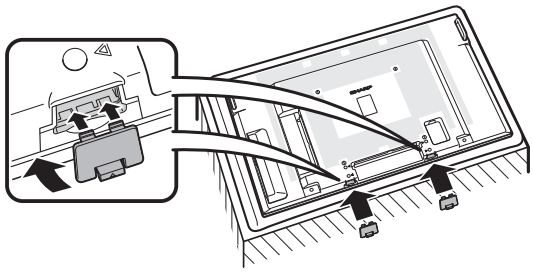
Attach the monitor to the wall-mount brackets according to the procedure below.

1



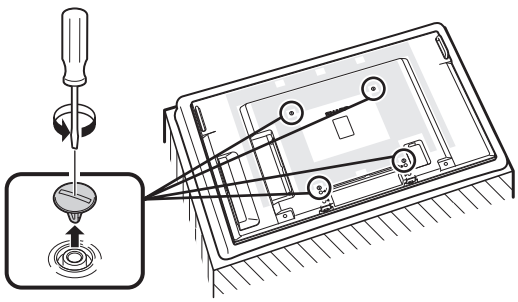
Unfasten the 4 screws used to secure the stand in place.

2



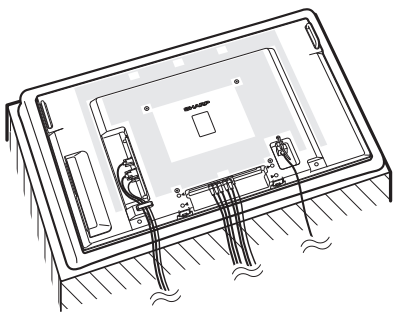
Use the protective cover to prevent dust from entering the underside of monitor where the stand has been detached.

3



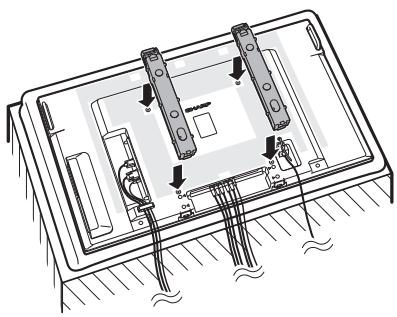
Detach the 4 caps at the 4 locations on the rear of the monitor.

4



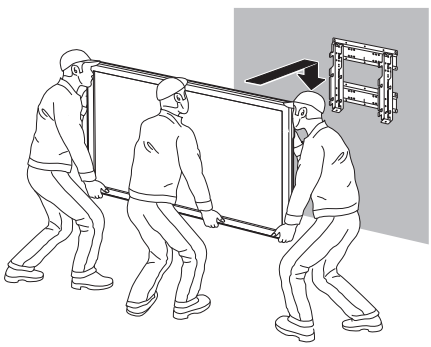
Connect and bind the power cord and terminal cables.

5



Attach the wall-mount brackets (L/R).

6

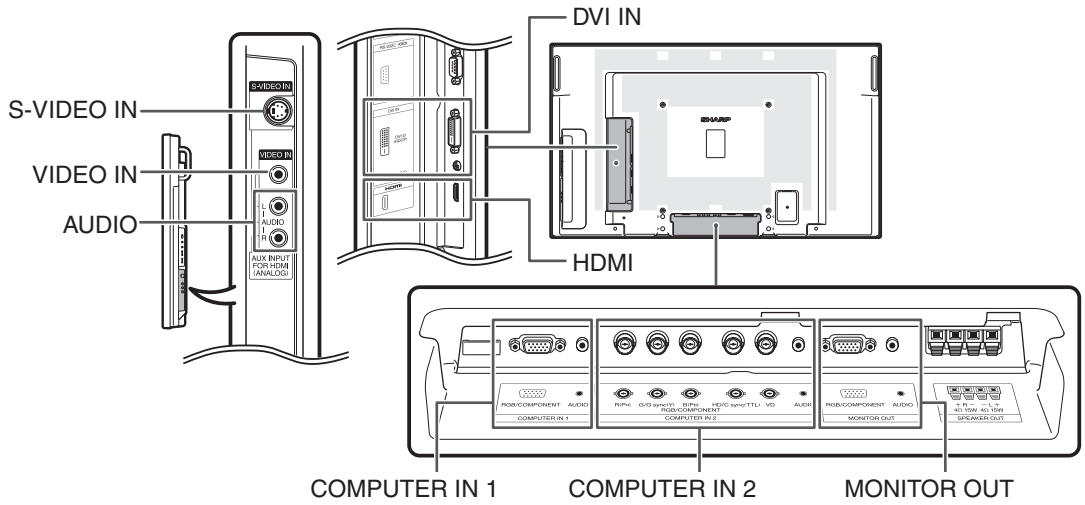


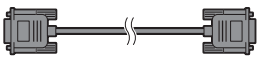
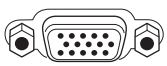
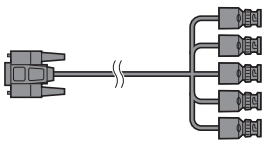
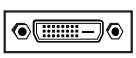
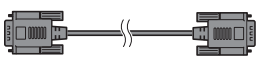
Set the monitor on the wall.

Connecting Peripheral Equipment

! Caution

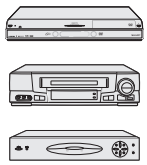
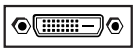
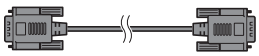
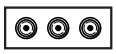
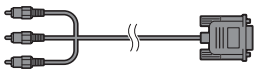
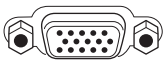
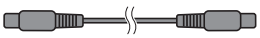
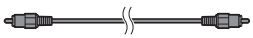
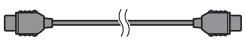
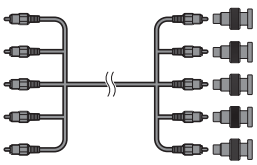
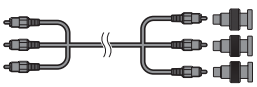
- Be sure to turn off the power and disconnect the plug from the power outlet before connecting/ disconnecting cables. Also, read the manual of the equipment to be connected.
- Be careful not to mix up the input terminal with the output terminal when connecting cables. Mixing up the input and output terminals may cause malfunctions and other problems.
- After making all connections, turn on the monitor and then the other pieces of equipment. When connecting a computer, ensure that it is the last equipment to be turned on after all the connections are made.
- You may need other cables or connectors not listed below.



Equipment	Terminal on connected equipment	Cable (commercially available)	Terminal on the monitor
Computer	**RGB output terminal**	**RGB cable** 	**COMPUTER IN 1** 
	RGB output terminal	**5 BNC to 15-pin D-sub cable** 	**COMPUTER IN 2**
	DVI digital output terminal 	**DVI Digital cable** 	**DVI IN** DVI-D (HDCP)

Note

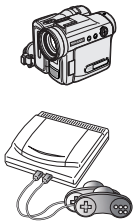
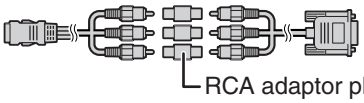
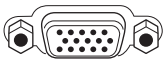
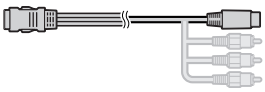
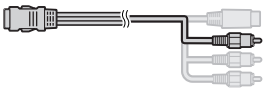
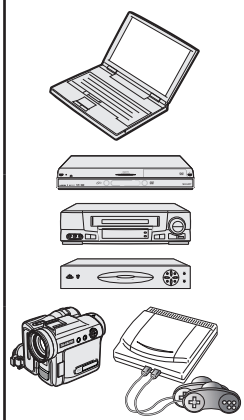
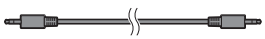
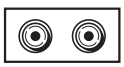
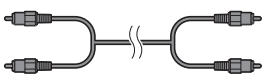
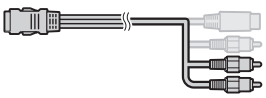
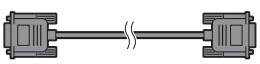
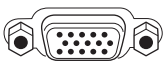
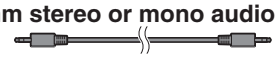
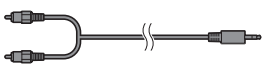
- Images may not be displayed properly depending on the computer (graphics board) to be connected.
- See page **49** “Computer compatibility chart” for a list of computer signals compatible with the monitor. Use with computer signals other than those listed may cause some of the functions to not work.
- A Macintosh adaptor may be required for use with some Macintosh computers. Contact your nearest Macintosh Dealer.
- Depending on the computer you are using, an image may not be displayed unless the computer’s external output port is switched on (e.g. Press “Fn” and “F5” keys simultaneously when using a SHARP notebook computer). Refer to the specific instructions in your computer’s operation manual to enable your computer’s external output port.

Equipment	Terminal on connected equipment	Cable (commercially available)	Terminal on the monitor
Video equipment 	DVI digital output terminal 	DVI Digital cable 	DVI IN DVI-D (HDCP)
	Component video output terminal 	3 RCA to mini D-sub 15 pin cable 	COMPUTER IN 1 
	S-video output terminal	S-video cable 	S-VIDEO IN
	Video output terminal	Video cable 	VIDEO IN
	HDMI output terminal	HDMI cable 	HDMI
	RGB output terminal	5 RCA RGB cable BNC to RCA adaptors 	COMPUTER IN 2
	Component video output terminal	BNC to RCA adaptors Component video cable 	

Note

- Depending on specifications of video equipment or HDMI to DVI digital cable, the signal transmission may not work properly. (The HDMI specification does not support all connections to video equipment that has HDMI digital output terminal using HDMI to DVI digital cable.)
- For details on compatibility for connection, see support information on DVI connection provided by the video equipment manufacturer.
- When you connect video equipment with a 21-pin RGB output (Euro-scart) to the monitor, use a commercially available cable that fits in the monitor terminal you want to connect.
- The monitor does not support RGBC signals via the Euro-scart.

Connecting Peripheral Equipment

Equipment	Terminal on connected equipment	Cable (commercially available)	Terminal on the monitor
Camera/Video game 	**Component video output terminal**	**Cables for a camera or a video game/ 3 RCA to mini D-sub 15 pin cable**  RCA adaptor plug	**COMPUTER IN 1** 
	S-video output terminal	**Cables for a camera or a video game** 	**S-VIDEO IN**
	Video output terminal	**Cables for a camera or a video game** 	**VIDEO IN**
Audio equipment 	**ø3.5 mm audio output terminal**	**ø3.5 mm stereo or mono audio cable** 	**AUDIO (for DVI IN)** AUDIO **AUDIO (for COMPUTER IN 1) (for COMPUTER IN 2)**
	RCA audio output terminal 	**RCA audio cable** 	**AUDIO (for S-VIDEO IN) (for VIDEO IN)**
	Audio output terminal	**Cables for a camera or a video game** 	
Monitor	**RGB input terminal**	**RGB cable** 	**MONITOR OUT** 
Amplifier	**ø3.5 mm audio input terminal**	**ø3.5 mm stereo or mono audio cable** 	**AUDIO (for MONITOR OUT)**
	RCA audio input terminal	**ø3.5 mm stereo minijack to RCA audio cable** 	

Note

• When using the ø3.5 mm mono audio cable, the volume level will be half of when using the ø3.5 mm stereo audio cable.

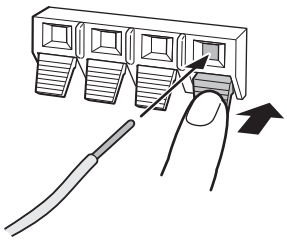
MONITOR OUT terminals

- Audio and images from equipment connected to the COMPUTER IN 1 or COMPUTER IN 2 terminals can be output from the MONITOR OUT terminals.

Connecting external speakers

Be sure to use external speakers with an impedance of 4 Ω and a rated input of at least 15 W.

1 While pushing the tab, insert the tip of the cable.



2 Release the tab.

Note

- Be sure to connect the + and - terminals and the left and right speakers properly.
- Avoid short circuiting the + and - terminals.
- It is recommended that you use the optional Sharp speaker unit (AN-52SP2/AN-46SP2) for external speakers.

Connecting multiple monitors

You can connect multiple monitors by using the RGB/COMPONENT input terminals (COMPUTER IN 1 or COMPUTER IN 2) and the RGB/COMPONENT output terminals (MONITOR OUT).

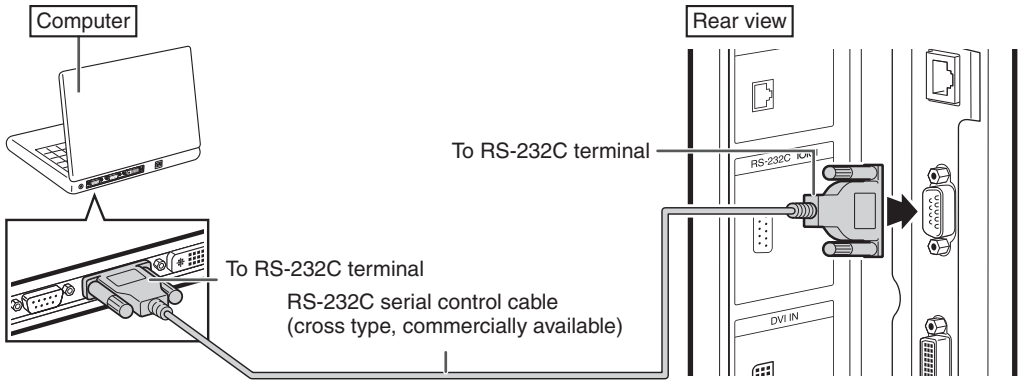
Note

- The length of the signal cables or surrounding environment may affect the image quality.
- When connecting multiple monitors, the screen may not display properly. In this case, turn off the power to all the monitors connected and then turn the power on again.
- For details, refer to the “SETUP MANUAL”.

Controlling the monitor by a computer

When the RS-232C terminal on the monitor is connected to the RS-232C serial terminal on the computer, or when the LAN terminal on the monitor is connected to the LAN terminal on the computer, the computer can be used to control the monitor. Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for details.

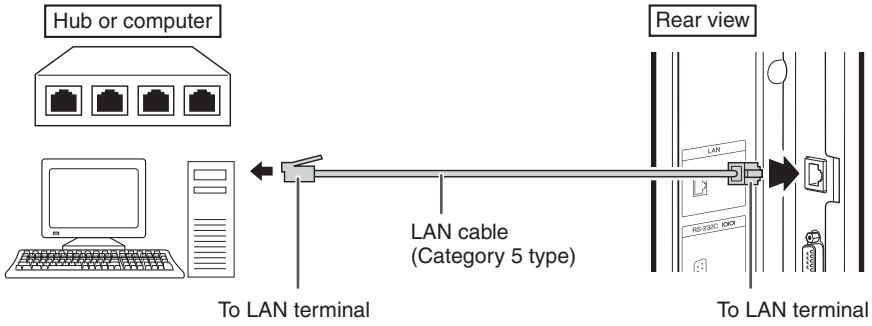
■ When connecting to a computer using an RS-232C serial control cable



Note

- The RS-232C function may not operate if your computer terminal is not correctly set up. Refer to the operation manual of the computer for details.
- Refer to “SETUP MANUAL” contained on the supplied CD-ROM for the RS-232C specifications and commands.
- Do not connect the RS-232C cable to a terminal other than the RS-232C terminal on the computer. This may damage your computer or monitor.
- Do not connect or disconnect an RS-232C serial control cable to or from the computer while it is on. This may damage your computer.

■ When connecting to the LAN terminal using a LAN cable



* To ensure safety, do not connect the LAN terminal with any cables such as a telephone line that may cause excessive voltage.

Note

- When connecting to a hub, use **straight-through** Category 5 (CAT.5) type cable.
- When connecting to a computer, use **cross-over** Category 5 (CAT.5) type cable.

Connecting the Power Cord

! Caution

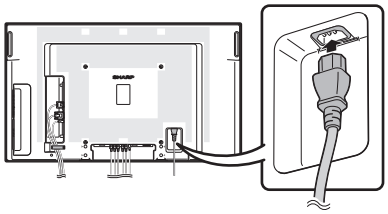
- Do not use a power cord other than the one supplied with the monitor.

Be sure to use a power outlet of AC 100-240 V, 50/60 Hz.

Using power supply other than the one specified may cause fire.

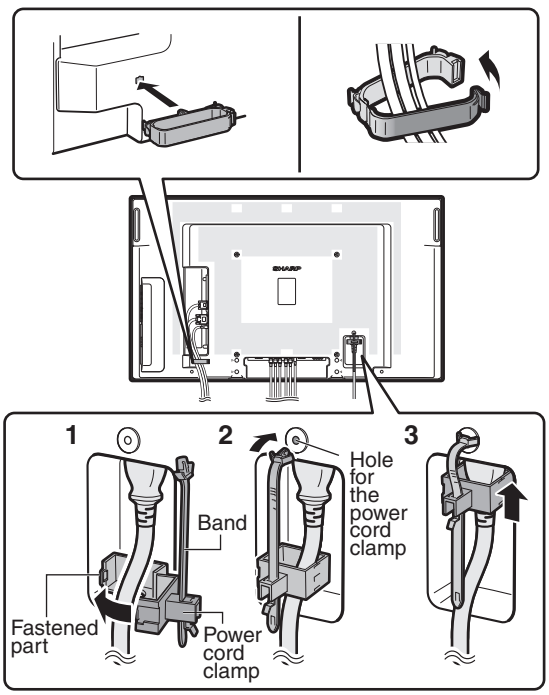
- Place the monitor close to the AC outlet, and keep the power plug within reach.
- This product must only be connected to an AC 100-240 V, 50/60 Hz, grounded (3-prong) outlet. Connecting it to any other kind of outlet will damage the product and invalidate the warranty.

1 Plug the power cord (supplied) into the AC input terminal.



2 Plug the power cord (supplied) into the AC power outlet.

Binding Cables



■ Attaching the cable clamp

The cables connected to the terminals on the back of the monitor can be neatly bundled using the supplied cable clamp as shown in the illustration.

Note

- A cable clamp cannot be easily removed once it is attached.

■ Fastening the power cord

The power cord can be fastened using the supplied power cord clamp. This will prevent the power cord from being disconnected accidentally.

1 Attach the supplied power cord clamp to the power cord, making sure the power cord clamp is circular hole-side down.

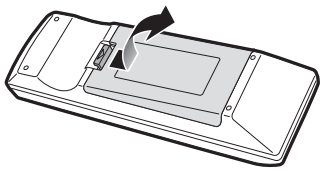
2 Insert the tip of the band into the hole for the power cord clamp.

3 While holding the tail of the band, slide the fastened part toward the AC input terminal.

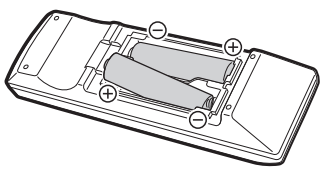
Preparing the Remote Control

Installing the batteries

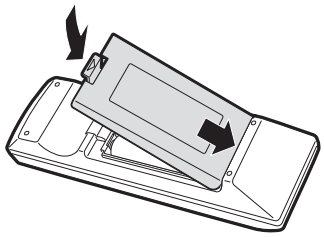
1 Pull down the tab on the cover and remove the cover towards the direction of the arrow.



2 Insert the batteries.
- Insert the batteries making sure the polarities correctly match the ⊕ and ⊖ marks inside the battery compartment.



3 Insert the lower tab of the cover into the opening, and lower the cover until it clicks in place.



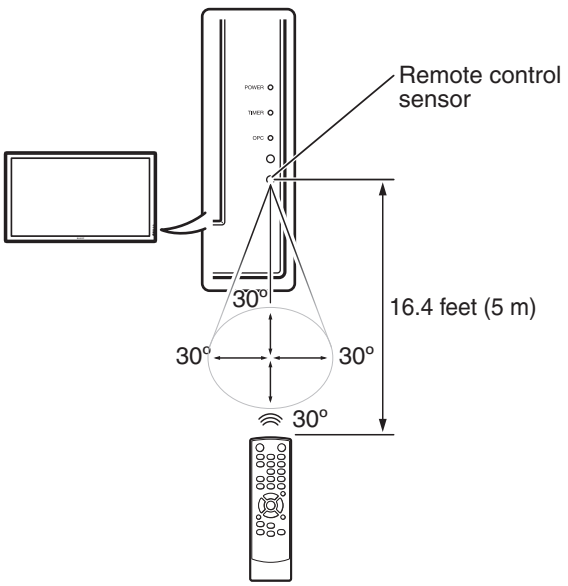
Incorrect use of the batteries may cause them to leak or explode. Please follow the precautions below.

⚠ Caution

- Danger of explosion if battery is incorrectly replaced.
  Replace only with alkaline or manganese batteries.
- Insert the batteries making sure the polarities correctly match the ⊕ and ⊖ marks inside the battery compartment.
- Batteries of different types have different properties, therefore do not mix batteries of different types.
- Do not mix new and old batteries.
  This may shorten the life of new batteries or may cause old batteries to leak.
- Remove the batteries from the remote control once they have run out, as leaving them in can cause them to leak.
  Battery fluid from leaked batteries is harmful to skin, therefore ensure you wipe them first and then remove them using a cloth.
- The batteries included with this monitor may run down in a short period, depending on how they are kept. Be sure to replace them as soon as possible with new batteries.
- Remove the batteries from the remote control if you will not be using the remote control for a long time.
- Comply with the rules (ordinance) of each local government when disposing of worn-out batteries.

Remote control operation range

The operation range of the remote control is approx. 16.4 feet (5 m) at an angle of approx 30° from the center to the top/bottom/right/left of the remote control sensor.



Note

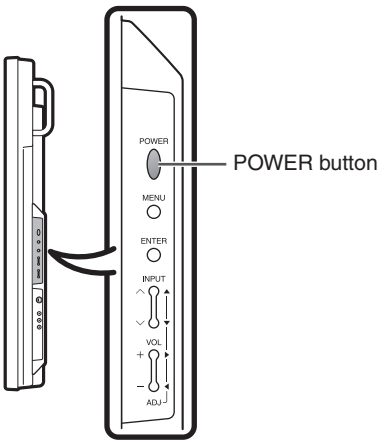
- Do not expose the remote control to shock by dropping or stepping on it. This could lead to a malfunction.
- Do not expose the remote control to liquids, and do not place it in an area with high humidity.
- The remote control may not work properly if the remote control sensor is under direct sunlight or strong lighting.
- Objects between the remote control and the remote control sensor may prevent proper operation.
- Replace the batteries when they run low as this may shorten the remote control's operation range.
- If a fluorescent light is illuminated near the remote control, it may interfere with proper operation.
- Do not use it with the remote control of other equipment such as air conditioner, stereo components, etc.

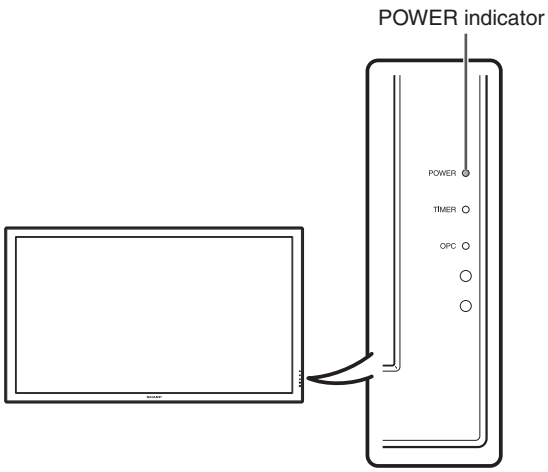
Turning the Monitor On/Off

Turning on the power

Press **POWER** on the monitor.

- POWER indicator (Green): The monitor is on.
- After turning the power "ON" by pressing **POWER** on the monitor, you can turn the power ON by pressing **ON** on the remote control.

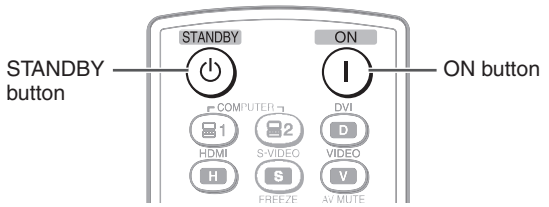




! Caution

- When switching the POWER, ON or STANDBY buttons off and back on, always wait for at least 5 seconds. A short interval may result in a malfunction.

Turning off the power



Press **STANDBY** on the remote control.

- The monitor enters standby mode.
- The POWER indicator on the monitor changes from green to red.

Press **POWER** on the monitor.

- The POWER indicator on the monitor turns off.
- When the monitor is turned off by **POWER** on the monitor, you cannot turn on the power by pressing **ON** on the remote control.

POWER indicator

Lighting (Green)	Power ON
Lighting (Red)	Standby
Lights off	Power OFF
Flashing (Orange)	When "Power On Delay" function is activated.
Flashing (Green)	Input signal standby (when "Power Management" is set to "Mode2" in the Power Control menu.)

Note

- If you are not going to use this monitor for a long period of time, be sure to remove the power cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.

Operating with the Remote Control

Switching the input mode

Select the appropriate input mode for the connected equipment.

Press **COMPUTER (1/2), DVI, HDMI, S-VIDEO** or **VIDEO** to select the input mode.

- When you press **INPUT** on the monitor, the INPUT list appears.
  Press ▲/▼ to switch the input mode.

Adjusting the volume

Press **VOL +/–** to adjust the volume.

- You can also adjust the volume using **VOL +/–** on the monitor.

Note

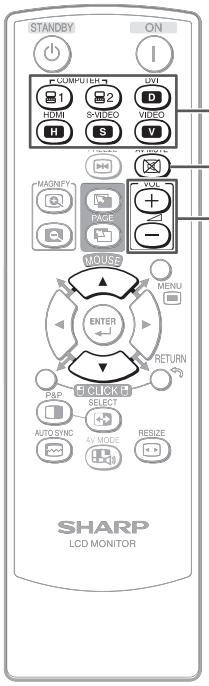
- Pressing **VOL–** will lower the volume.
- Pressing **VOL+** will raise the volume.
- You can set the volume to different levels for each input source.
- To adjust sound via the audio output terminal (MONITOR OUT), set “Audio Output” to “VAO” in the “Option” menu. (See page **40**.)

Displaying the black screen and turning off the sound temporarily

Press **AV MUTE** to temporarily display a black screen and turn off the sound.

Note

- Pressing **AV MUTE** again will turn the image back on.



COMPUTER (1/2), DVI, HDMI, S-VIDEO, VIDEO buttons

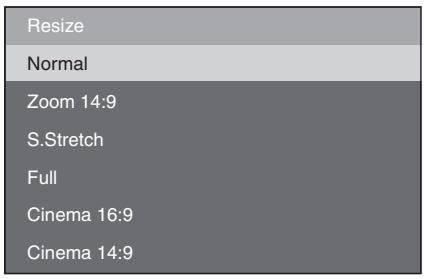
AV MUTE button

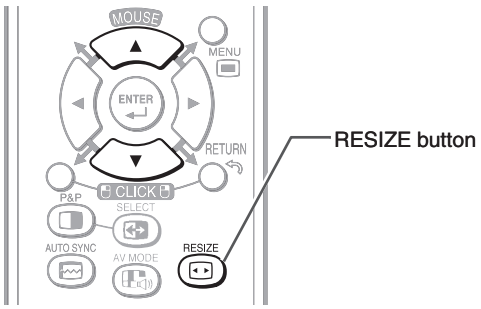
VOL (Volume) buttons (+/-)

Resize mode

This function allows you to modify or customize the Resize mode to enhance the input image. Depending on the input signal, you can choose a desired image.

1 Press **RESIZE**.
- The Resize mode menu appears.
- The menu lists the Resize mode options selectable for the type of signal currently received.



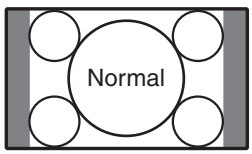
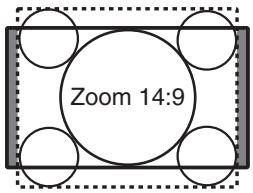
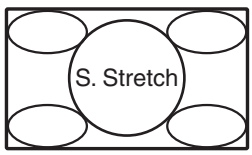
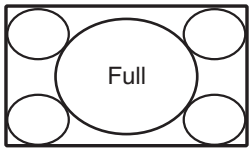


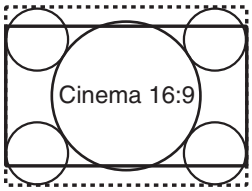
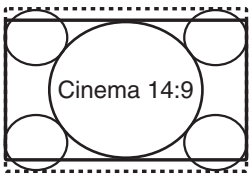
2 Press **RESIZE** or ▲/▼ while the Resize mode menu is displayed on the screen.

Note

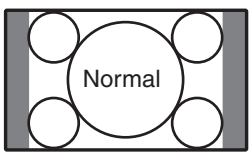
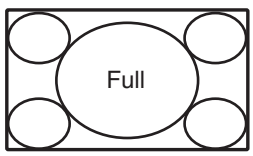
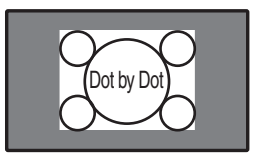
• You can also set the Resize mode from the “Option” menu. (See page **42**.)

AV input

Selectable items		Description
Normal		For 4:3 “standard” pictures. A side bar appears on each side.
Zoom 14:9		For 14:9 letterbox pictures. A thin side bar appears on each side, and the top and bottom of the image may be cut off depending on the input signal.
S. Stretch		Only the ends of the image are stretched horizontally.
Full		For 16:9 squeeze pictures.

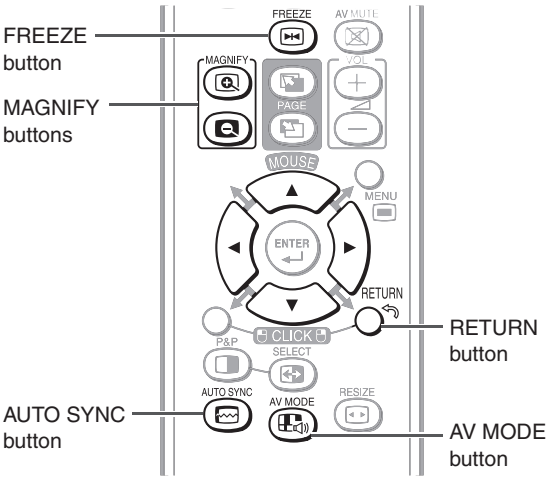
Selectable items		Description
Cinema 16:9		For 16:9 letterbox pictures. The top and bottom of the image may be cut off depending on the input signal.
Cinema 14:9		For 14:9 letterbox pictures. The top and bottom of the image may be cut off depending on the input signal.
Dot by Dot		Display an image with the same number of pixels on the screen (only when receiving 1080I/1080P signal via component or HDMI terminals).

Computer input

Selectable items		Description
Normal		Keeps the original aspect ratio in a full screen display.
Full		An image fully fills the screen.
Dot by Dot		Detects the resolution of the signal and displays an image with the same number of pixels on the screen. Displays an image that overlaps the screen when a signal of greater resolution than the size of the screen is input.

Note

- When using the Resize function to select an image size with a different aspect ratio to a TV program or video image, the image will look different from its original appearance. Keep this in mind while choosing an image size.
- The use of the Resize or split-screen function to compress or stretch the image for commercial purposes/public displays in a café, hotel, etc. may be an infringement of copyright protected by law for copyright holders. Please use caution.
- While watching non-widescreen images (4:3), if you use the Resize function to fill the screen, parts of the outer edge of the image will be cut off or distorted. To watch original images as the producers intended, set the Resize mode to “Normal”.
- When “Multi Screen” is set, the Resize mode is fixed to “Full”.
- When split-screen display is selected, the Resize mode cannot be changed.
- When playing commercial software, parts of the image (like subtitles) may be cropped. In this case select the optimal screen size using the Resize function of this monitor. With some software, there may be noise or distortion at the edges of the screen. This is due to the characteristics of the software, and is not a malfunction.
- Depending on the original image size, black bands may remain at the edges of the screen.



Auto Sync adjustment (Auto Sync)

"Clock", "Phase", "H-Position", and "V-Position" are automatically adjusted.

Press **AUTO SYNC**.

- You can also perform Auto Sync adjustment from the "Setup" menu.

Freezing a moving image

1 Press **FREEZE**.
   - The image is frozen.

2 Press **FREEZE** again to return to the moving image from the currently connected device.

Note

- The still image automatically goes out after 30 minutes.

Selecting AV mode

You can select the appropriate mode for the image, such as movie or video game.

Press **AV MODE**.

- When pressing **AV MODE**, the AV mode changes in the following order:
  ↱Standard→Presentation→Movie→Game→sRGB↰

Note

- See page **32** for details on AV mode.
- "sRGB" is displayed only when RGB signal is input.

Displaying an enlarged portion of an image

Graphs, tables and other portions of images can be enlarged. This is helpful when providing more detailed explanations.

1 Press **MAGNIFY**.
   - Enlarges the image.
   - Pressing or **MAGNIFY** enlarges or reduces the image.

Note

Press .
×1 ×2 ×3 ×4 ×9 ×16 ×36
Press .

- You can change the location of the enlarged image using ▲/▼/◄/►.

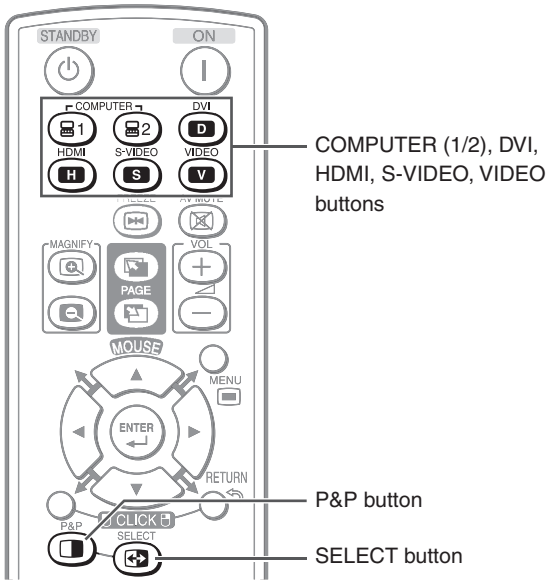
2 Press **RETURN** to cancel the operation.
   - The magnification then returns to ×1.

Note

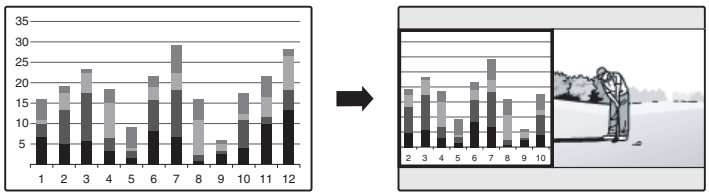
- The selectable magnifications differ depending on the input signal.
- In the following cases, the image will return to the normal size (×1).
  – When switching the input mode.
  – When **RETURN** has been pressed.
  – When the input signal is changed.
  – When the input signal resolution and refresh rate (vertical frequency) change.
  – When the Resize mode is changed.

Split-screen viewing

You can display two pictures on the screen simultaneously.



1 Press **P&P**.
- Split-screen appears.
- The current input is moved to the left side screen display and surrounded by a blue frame.
- The other input appears on the right side screen display.



2 Press **SELECT** to set either screen to be active.
- The active screen, surrounded by a blue frame, has sound output.

3 Press **COMPUTER (1/2), DVI, HDMI, S-VIDEO** or **VIDEO** to select another input source on the active screen.
- A selected image appears.

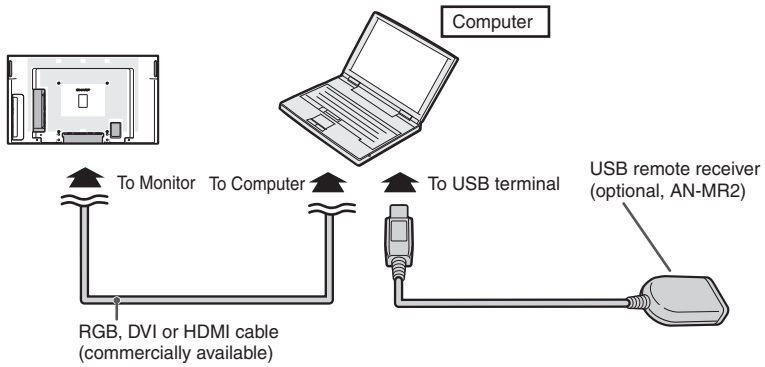
4 Press **P&P** to exit split-screen.

Note

- This function does not work under the following input conditions:
  1) Two pictures from the same source.
  2) Two pictures from HDMI and DVI.
  3) Pictures from S-VIDEO or VIDEO on the right side screen are displayed.
- While split-screen is displayed, the FREEZE function does not work.
- Picture quality may deteriorate when interlace signals (for example, 480I, 576I, 1035I, and 1080I) are displayed on the active screen.

Using the remote control as the wireless computer mouse

The USB remote receiver (optional, AN-MR2) makes it possible to operate the monitor with the remote control. For details, see the operation manual of the receiver.



The mouse pointer can be operated in the following way after it is connected.

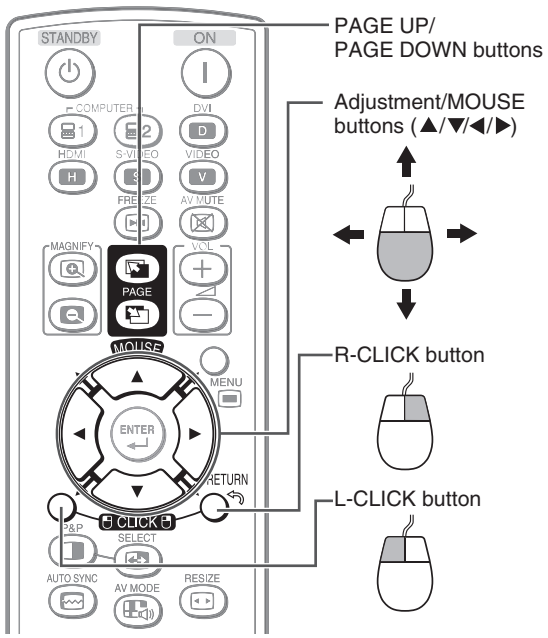
When moving the cursor:
Press **Adjustment/MOUSE** (▲/▼/◀/▶).

When left-clicking:
Press **L-CLICK**.

When right-clicking:
Press **R-CLICK**.

When your computer supports only a one-click mouse (such as Macintosh):
Press **L-CLICK** or **R-CLICK**.
L-CLICK and **R-CLICK** have common function.

When using [Page Up] or [Page Down]:
Same as the [Page Up] and [Page Down] keys on a computer keyboard.
Press **PAGE UP** or **PAGE DOWN**.



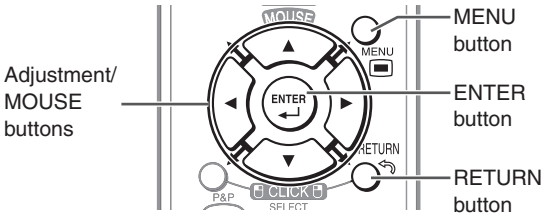
Note

- This function only works with the Microsoft® Windows® OS and Mac OS®. However, this function does not work with the following operation systems that do not support USB.
  – Versions earlier than Windows® 95
  – Versions earlier than Windows® NT4.0
  – Versions earlier than Mac OS® 8.5
- You cannot use this function when displaying the menu screen.
- Confirm that the computer recognizes the USB remote receiver connection.

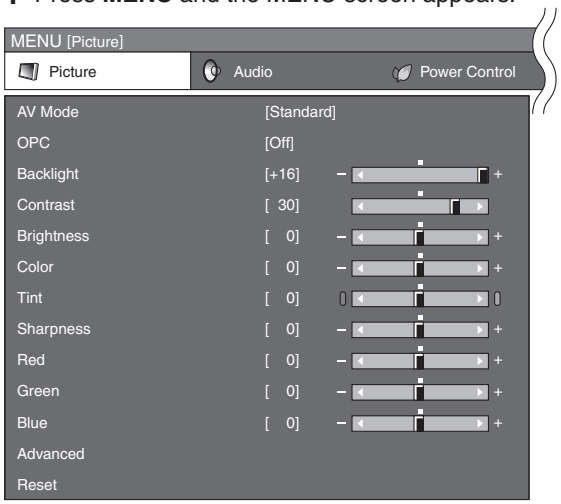
Menu Operations

- You need to bring up the On-Screen Display to perform settings for the monitor. The On-Screen Display for the settings is called “Menu”.
- The Menu enables various settings and adjustments. (See page **31**.)
- The Menu can be operated with the remote control.

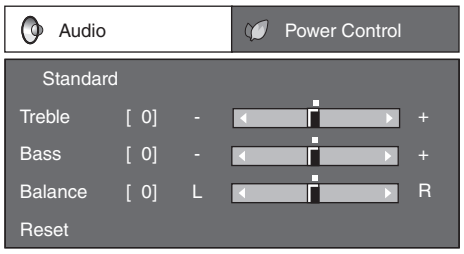
Basic menu operations



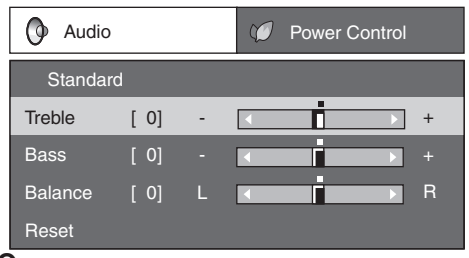
1 Press **MENU** and the MENU screen appears.



2 Press ◄/► to select the desired menu.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.

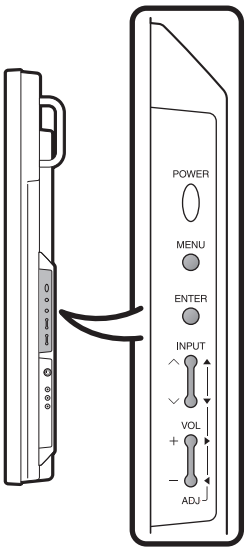


4 Press ▲/▼ or ◄/► to select the desired item or adjust the item to the desired level.
Press **ENTER** if necessary.

5 Press **MENU** to exit the MENU.
Press **RETURN** as necessary to return to the previous MENUs.

■ Using the control panel of the monitor

You can also operate the Menu using the control panel of the monitor.
Button operations on the control panel correspond to the ones on the remote control.

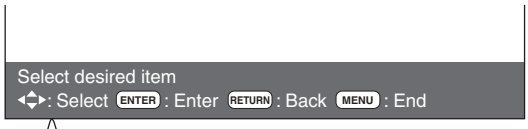


Note

- Menu options differ in the selected input modes, but the operating procedures are the same.
- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.

■ About Guide Display

The Guide Display at the bottom of the screen shows operations with an On-Screen Display.



The bar above is an operational guide for the remote control. The bar will change in accordance with each menu setting screen.

List of menu items

Picture

AV Mode ..... Page **32**
OPC ..... Page **32**
Backlight ..... Page **32**
Contrast ..... Page **32**
Brightness ..... Page **32**
Color ..... Page **32**
Tint ..... Page **32**
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Red ..... Page **32**
Green ..... Page **32**
Blue ..... Page **32**
Advanced
- Color Temp. ..... Page **33**
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- 3D-Y/C ..... Page **33**
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Reset ..... Page **32**

Audio

AV Mode ..... Page **32**
Treble ..... Page **34**
Bass ..... Page **34**
Balance ..... Page **34**
Reset ..... Page **34**

Power Control

Power Management ..... Page **34**
No Operation Off ..... Page **34**
Ecology ..... Page **35**

Note

- Some menu items may not be displayed depending on the selected input source.

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Keylock
- Main Set ..... Page **36**
- Remote Control ..... Page **36**

Set Inputs ..... Page **36**
Input Label ..... Page **37**
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- H-Position ..... Page **37**
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Fine Sync
- Resolution ..... Page **37**
- Signal Info ..... Page **37**
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- H-Position ..... Page **38**
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Standby Mode ..... Page **38**
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- Status ..... Page **44**
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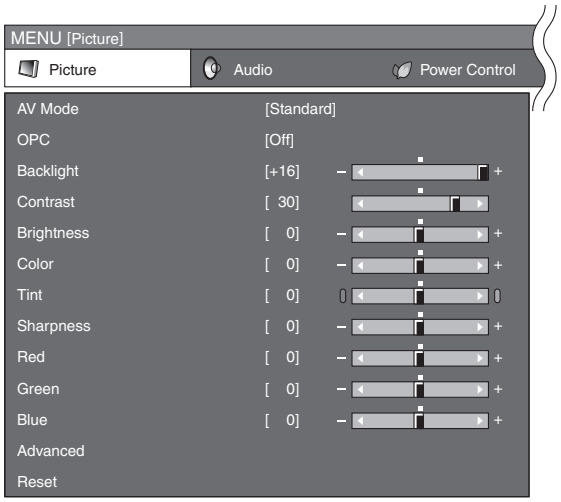
- V-Position ..... Page **44**
- Reset ..... Page **44**

Power On Delay ..... Page **44**
LED ..... Page **44**
Background ..... Page **44**

Picture menu



■ Selecting a preset AV Mode

The AV Mode function enables you to select appropriate settings for picture and audio to account for the system environment which can vary due to factors like room brightness or the type of image input from external equipment.

Selectable items	Description
Standard	For standard image
Presentation	Brightens portions of image for more enhanced presentations.
Movie	Gives natural tint to the image.
Game	Gives sharpness to the image.
*sRGB	For high fidelity reproduction of images from a computer.

- You can set or adjust each item in the “Picture” menu to your preference. Any changes you make are retained in memory.

Note

- You can also press **AV MODE** on the remote control to select the AV Mode. (See page **27**.)
- *sRGB is an international standard of color reproduction regulated by the IEC (International Electrotechnical Commission). As the fixed color area has been decided by the IEC, the images are displayed in a natural tint based on an original image, when “sRGB” is selected. You cannot set the items, “Red”, “Green”, “Blue”, “Color Temp.”, when “sRGB” is selected.
- When “sRGB” is selected, the image may become dark, but this does not indicate a malfunction.

■ Picture adjustment

You can adjust the picture to your preference.

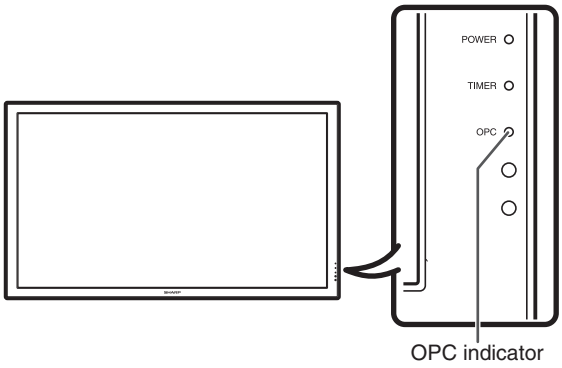
Note

- “Backlight” cannot be adjusted when “OPC” is set to “On” or “On(Display)”.

Selectable items	◄button	►button
OPC	Sets whether or not the screen brightness is automatically adjusted according to the lighting condition in the room. (OPC setting: See page **33**.)	
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Color	For less color intensity	For more color intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness
Red*1	For weaker red	For stronger red
Green*1	For weaker green	For stronger green
Blue*1	For weaker blue	For stronger blue
Advanced*2	For finer picture adjustments. (See page **33**.)	
Reset	Resets all picture adjustment items to the factory preset values.	

*1 Not adjustable/selectable when selecting “sRGB”.
*2 “Color Temp.” is not adjustable/selectable when selecting “sRGB”.

OPC (Optical Picture Control) setting
You can set the monitor to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.



OPC indicator

Selectable items	Description
On(Display)	Displays the OPC effect on the screen while adjusting the brightness of the screen.
On	Automatically adjusts
Off	The brightness is fixed at the value set in “Backlight”. (See page **32**.)

OPC indicator

Light off	“Off” is selected in the OPC setting.
Lighted (Green)	“On” or “On(Display)” is selected in the OPC setting.

Note
- Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

■ Advanced picture settings

The advanced settings enable you to set the picture adjustment in more detail. There are 6 options you can choose from.

Color Temp. (Color Temperature)
Adjusts the color temperature to give the best white image.

Selectable items	Description
High	White with bluish tone
Mid-High	↕
Middle	
Mid-Low	
Low	White with reddish tone

DNR (Digital Noise Reduction)
Reduces noise on the screen and produces a clearer video image.

Film Mode
Automatically detects a film-based source (originally encoded at 24/25 frames/second, depending on the vertical frequency), analyses it then recreates each still film frame for high-definition picture quality.

Note
- This model is not compatible to 1080/24P input signal.

Black
For easier viewing, change the viewing depth by selecting a level for automatically adjusting the dark portion of an image.

Selectable items	Description
On	For high detail in black portions
Off	No adjustment

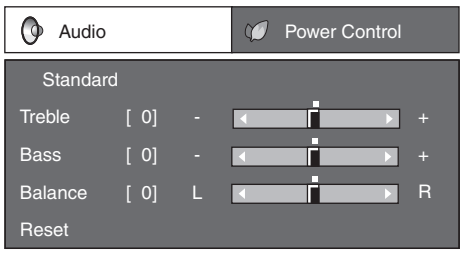
3D-Y/C
Provides high quality images with minimal dot crawl and cross color noise.

Selectable items	Description
Standard	Normal adjustment
Fast	For movie image
Slow	For still image
Off	3D-Y/C off

Note
- 3D-Y/C is not selectable depending on the input signal type.
- 3D-Y/C may not operate depending on the input signal type or noisy input signal.

Monochrome
For viewing images in monochrome.

Audio menu



■ Audio adjustment

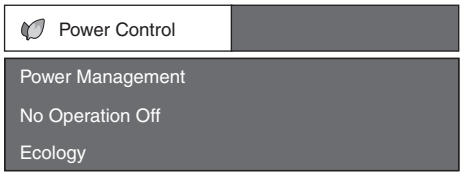
You can adjust the audio of the selected AV mode.

Selectable items	◄button	►button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

Note

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ▲/▼ to select “Yes”, and then press **ENTER**.

Power Control menu



■ Power Management

You can set the monitor to automatically power off when there is no image displayed on the computer.

Selectable items	Description
Off	• No power management • Factory preset value.
Mode1	• If no signal inputs for approximately 8 minutes, the power shuts down. • Even if you start using the computer and the signal inputs again, the monitor stays off. • The monitor turns on again by pressing **ON** on the remote control.
Mode2	• If no signal inputs for approximately 8 seconds, the power shuts down. • When you start using the computer and the signal inputs again, the monitor turns on.

Note

- If you turn off the power by disconnecting the power cord when setting “Mode2” in power management, the monitor may not function properly after turning the power on again. In such case, press **ON** on the remote control.
- Pressing **POWER** on the monitor will have the same result.

■ Auto power-off when there are no operations performed (No Operation Off)

You can set the monitor to automatically power off when no operation is performed for more than 30 minutes or 3 hours.

Note

- “Disable” is the factory preset value.

■ Ecology

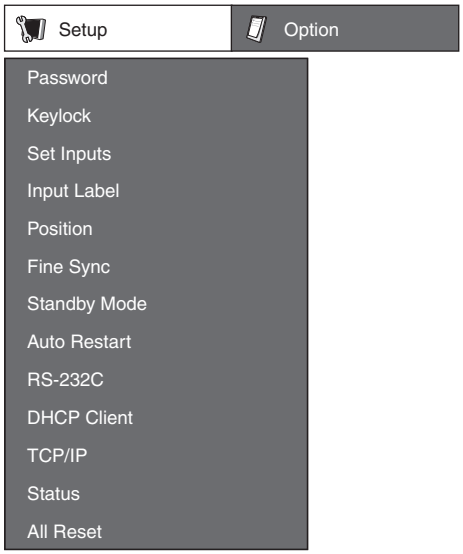
When set to “Yes”, The monitor activates the following power saving mode.

- “OPC” set to “On” (Page **33**)
- “Standby Mode” set to “Mode2” (Page **38**)
- “No Operation Off” set to “3 Hours” (Page **34**)
- “Power Management” set to “Mode1” (Page **34**)

Note

- Ecology mode cannot be deactivated by selecting “No”. Each setting must be changed individually to deactivate Ecology mode.

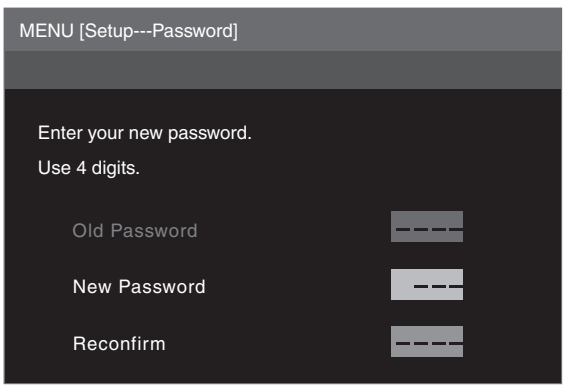
Setup menu



■ Setting a password (Password)

If you do not want others to change the setting for the “Setup” menu, set a password.

1 Select “Password”, then press **ENTER**.
- The screen for entering the password appears.



2 Press ▲/▼ to set the first digit in “New Password”, then press ►.

3 Enter the remaining 3 digits, then press **ENTER**.
- To return to the previous digit, press ◄.

4 Enter the same password in “Reconfirm”, then press **ENTER**.
- The status for “Password” changes to “ (enable)”.

Note

- Once the password is set, you must enter the password to change the “Setup” menu settings.

Changing the password

1 Select “Password”, then press **ENTER**.
  • The screen for entering the password appears.
2 Enter the password in “Old Password” using ▲/▼/◄/►, then press **ENTER**.
3 Enter the password in “New Password” using ▲/▼/◄/►, then press **ENTER**.
4 Enter the same password again in “Reconfirm” using ▲/▼/◄/►, then press **ENTER**.

Note

- If you do not need the password protection for the “Setup” menu settings anymore, press **ENTER** without entering new password in steps 3 and 4.
- To cancel the password settings, press **RETURN**.

If you forget the password

If you forget the password, perform the following procedure to delete it, then set a new password.
On the remote control or the monitor, press ◄ → ENTER → ► → ENTER → ◄ → ENTER → MENU.

■ Keylock

You can disable operations on the monitor and the remote control that use buttons.

Selectable Items		Description
Main Set	Off	Enables operation.
	Level1	Only the POWER button on the monitor is available.
	Level2	All of the operation buttons on the monitor are unavailable.
Remote Control	Off	Enables operation.
	Level1	Only the ON/STANDBY buttons on the remote control are available.
	Level2	All of the operation buttons on the remote control are unavailable.

Note

When you cannot unlock the operation buttons using the menu, for example, when all of the operation buttons on the monitor and the remote control are locked simultaneously, follow the steps below.

- To unlock all of the buttons on the monitor and the remote control:
  Press and hold **ENTER** (monitor/remote control) for 5 seconds when no on-screen displays are displayed.
  If the password is set, the screen for entering the password appears. Enter the password using ▲/▼/◄/► (monitor/remote control).
- To unlock the buttons on the monitor:
  1) Press and hold **POWER** on the monitor for 5 seconds to turn off the main power.
  2) Press and hold **POWER** on the monitor for 5 seconds to unlock the monitor buttons.

■ Bypassing unused input selections (Set Inputs)

This function allows you to skip the input mode that you rarely use. You can skip the input modes when pressing **INPUT** on the monitor.

Selectable items		Description
Computer1 Computer2 DVI HDMI S-VIDEO VIDEO	On	Sets the input mode as “selectable”, respectively.
	Off	Sets the input mode as “unavailable”, respectively.

■ Labelling input sources (Input Label)

You can assign each input source a label as you prefer.

1 Press **COMPUTER (1/2), DVI, HDMI, S-VIDEO** or **VIDEO** to select the desired input source.
2 Press **MENU** and the MENU screen appears.
3 Press ◄/► to select “Setup”.
4 Press ▲/▼ to select “Input Label”, and then press **ENTER**.
- When an HDMI input terminal is selected, a Menu screen for selecting “Auto” or “Manual” is displayed.
- When you select “Auto” using ▲/▼, the Menu screen returns to the previous screen.
- When you select “Manual” using ▲/▼, the screen for labelling the input source appears. Proceed to step 5.

5 Press ▲/▼ to select characters and ◄/► to move to the desired digit to label the input source.
- When you want to change the input label that you have already assigned to the default name, press ◄/► to move to “CLEAR” on the “Input Label” screen, and then press **ENTER**.

6 Repeat the above until the name is fully spelled out, and then press **MENU**.
- The name can be 9 characters or less.
- When you want to set an input source name of less than 9 characters, press **MENU** to exit from the labelling menu.

■ Adjusting the image position (Position)

For adjusting a picture’s horizontal and vertical position.

Selectable Items	Description
H-Position	Centers the image by moving it to the left or right.
V-Position	Centers the image by moving it up or down.

Note

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ▲/▼ to select “Yes”, and then press **ENTER**.
- Adjustments are stored separately according to input source.
- Images may not be displayed properly depending on the settings and/or signals.

■ Adjusting the computer image (Fine Sync)

Resolution

Ordinarily, the type of input signal is detected and the correct resolution mode is automatically selected. However, for some signals, the optimal resolution mode on the “Resolution” menu may need to be selected to match the computer display mode.

Signal Info

Displays infomation about the input signal, such as resolution, horizontal frequency, and vertical frequency.

Auto Sync Adjustment (Auto Sync)

Selectable items	Description
Yes	Perform Auto Sync adjustment.
No	Do not perform Auto Sync adjustment.

Note

- Auto Sync adjustment is also performed by pressing **AUTO SYNC** on the remote control.
- The Auto Sync adjustment may take some time to complete, depending on the image of the computer connected to the monitor.
- When the optimum image cannot be achieved with Auto Sync adjustment, use manual adjustments. (See page **38**.)

Adjusting the computer image manually
Ordinarily you can easily adjust the picture as necessary to change image position using “Auto Sync”. In some cases, however, manual adjustment is needed to optimize the image.

Selectable items	Description
H-Position	Centers the image by moving it to the left or right.
V-Position	Centers the image by moving it up or down.
Clock	Adjusts when the image flickers with vertical stripes.
Phase	Adjusts when characters have low contrast or when the image flickers.

Note

- If “H-Position” and “V-Position” in “Fine Sync” are set, “H-Position” and “V-Position” in “Position” become invalid.
- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ▲/▼ to select “Yes”, and then press **ENTER**.
- Images may not be displayed properly depending on the settings and/or input signals.

■ Reducing the start-up time (Standby Mode)

You can reduce the monitor’s start-up time after turning on the power with the remote control.

Selectable items	Description
Mode1	Starting the monitor is quick from standby.
Mode2	The RS-232C and Network functions are activated even if the monitor is in the standby mode.
Mode3	Power consumption is low while in standby mode. The RS-232C and Network functions are switched off in standby mode.

■ Auto restart function (Auto Restart)

Selectable items	Description
On	If the power cord is unplugged from the outlet or the breaker switch is turned off when the monitor is on, then the monitor automatically turns on when the power cord is plugged into the AC outlet or the breaker switch is turned on.
Off	The monitor does not turn on automatically when the power cord is plugged into the AC outlet or the breaker switch is turned on.

■ Selecting the transmission speed (RS-232C)

Make sure that both the monitor and computer are set for the same baud rate.

Selectable items	Description
9600bps	Transmission speed is slow.
115200bps	Transmission speed is rapid.

■ DHCP client setting (DHCP Client)

Connect the LAN cable before turning the monitor on. If not, the DHCP Client function does not work.

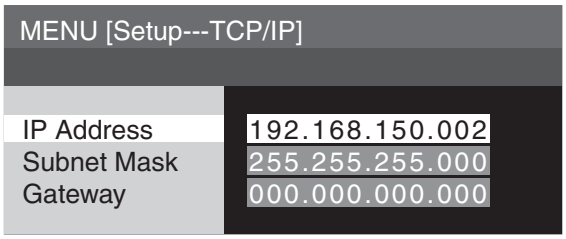
Selectable items	Description
On	Obtains configuration parameters for TCP/IP network automatically.
Off	Sets the TCP/IP manually.

Select “On” for “DHCP Client”. “Obtaining IP Address...” appears, then the menu screen appears. Confirm the parameters of IP Address, Subnet Mask and Gateway on the TCP/IP screen.
If the DHCP server is not available, “Could not obtain IP Address.” appears.
In this case, set the TCP/IP manually. (See page **39**.)

■ TCP/IP setting (TCP/IP)

Set the TCP/IP manually.

1 Select “Off” for “DHCP Client”, then press **ENTER**.
2 Select “TCP/IP”, then press **ENTER**.
3 Enter “IP Address” using ▲/▼/◄/►, then press **ENTER**.



4 Enter “Subnet Mask” using ▲/▼/◄/►, then press **ENTER**.
5 Enter “Gateway” using ▲/▼/◄/►, then press **ENTER**.

Selectable items	Description
IP Address	Factory default setting: 192.168.150.002 Enter an IP address appropriate for the network.
Subnet Mask	Factory default setting: 255.255.255.000 Set the subnet mask to the same as that of the computer and equipment on the network.
Gateway	Factory default setting: 000.000.000.000 * When not in use, set to “000.000.000.000”.

Note

- Confirm the existing network’s segment (IP address group) to avoid setting an IP address that duplicates the IP addresses of other network equipment or computers. If “192.168.150.002” is not used in a network with an IP address of “192.168.150.XXX”, you don’t have to change the monitor IP address.
- For details about each setting, consult your network administrator.

■ Confirming the monitor information (Status)

You can confirm the following information.

- DHCP Client
- IP Address
- Subnet Mask
- Gateway
- MAC Address
- Monitor Name
- Serial Number

Note

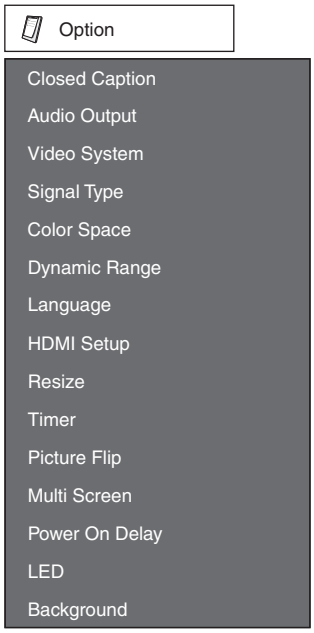
- For information on how to change the monitor name, see “SETUP MANUAL” contained in the supplied CD-ROM.

■ Returning to the default settings (All Reset)

This function allows you to initialize the settings you have made in the monitor.

1 Press ▲/▼ to select “All Reset” and press **ENTER**.
2 Press ▲/▼ to select “Yes” and press **ENTER**.

Option menu



■ Selecting Closed Caption (Closed Caption)

This monitor is equipped with an internal Closed Caption decoder. It allows you to view conversations, narration and sound effects as subtitles on your monitor. Closed Captions are available on some TV programs and on some VHS home video tapes at the discretion of the program provider.

Note

- 4 kinds of closed caption service (CC1, CC2, Text1, Text2) are potentially available, but a broadcast may contain none or only some of these services at the discretion of the program provider.
- While displaying on-screen displays, Closed Caption information disappears.

■ Setting the audio output type (Audio Output)

This function determines whether the audio level output from the audio output terminal is fixed or variable by linking with VOLUME.

Selectable items	Description
FAO (Fixed Audio Output)	Audio output that does not vary in strength with the volume level of the source monitor.
VAO (Variable Audio Output)	Audio output that varies in strength with the volume level of the source monitor.

Note

- When “Audio Output” is set to “VAO”, sound via speakers is muted.
- When “Audio Output” has been set to “VAO”, first make sure to lower the volume of the monitor before turning the power on or off and when switching the input.
- When the monitor is connected to audio equipment:
  - It is recommended that “FAO” be selected on “Audio Output”. Because the audio signal from the audio equipment does not vary in strength with the volume level of the monitor, you can enjoy better sound.
  - When “FAO” is selected on “Audio Output”, video and audio may not synchronize.
    - When connecting audio equipment that has a function for adjusting audio delay time, adjust the delay time for synchronizing video and audio.
    - When the audio equipment does not have such a function and the unsynchronized video and audio bothers you, select “VAO” on “Audio Output”. Selecting “VAO” synchronizes video and audio automatically.

■ Setting the video system (Video System)

The video input system mode is factory preset to “Auto”; however, a clear picture from the connected audio-visual equipment may not be received, depending on the video signal difference. In that case, switch the video signal.

Selectable items	Description
Auto	The video system is automatically selected.
PAL	When connected to PAL video equipment.
SECAM	When connected to SECAM video equipment.
NTSC3.58	When connected to NTSC video equipment.
NTSC4.43	When reproducing NTSC signals in PAL video equipment.
PAL-60	When connected to 60 Hz PAL video equipment.

Note

- While “Video System” is set to “Auto”, when PAL-M or PAL-N signal is input, the image from PAL signal will be displayed.

■ Signal type setting (Signal Type)

This function allows you to select the input signal type Computer1, Computer2, DVI or HDMI.

Input signal	Selectable items	Description
Computer 1/2	Auto	Input signals are automatically recognized as RGB or component.
	RGB	Set when RGB signals are received.
	Component	Set when component signals are received.
DVI	D. PC RGB	Set when digital PC RGB signals are received from a computer.
	D. PC Comp.	Set when digital PC component signals are received from a computer.
	D. VIDEO RGB	Set when digital video RGB signals are received from video equipment.
	D. VIDEO Comp.	Set when digital video component signals are received from video equipment.
HDMI	Auto	Input signals are automatically recognized as RGB or component.
	RGB	Set when digital video RGB signals are received from video equipment.
	YCbCr4:4:4	Set when video signals are received from video equipment.
	YCbCr4:2:2	Set when video signals are received from video equipment.

■ Color Space

This function allows you to select ITU (International Telecommunication Union) standard color space.

Selectable Items	Description
Auto	Color Space is automatically selected.
ITU601	The ITU601 standard signal is selected.
ITU709	The ITU709 standard signal is selected.

■ Dynamic Range

This function allows you to select the black level range (the range between the minimum and maximum brightness) for the DVI or HDMI input signals.

Input signal	Selectable items	Description
DVI	Standard	Reproduces black level range normally.
	Enhanced	Reproduces black level range more extensively.
HDMI	Auto	Looks at the AVI packet information of the HDMI signal and automatically selects the dynamic range.
	Standard	Reproduces black level range normally.
	Enhanced	Reproduces black level range more extensively.

■ Selecting the on-screen display language (Language)

The monitor can switch the on-screen display language among 7 languages.

English
Deutsch
Español
Nederlands
Français
Italiano
日本語

■ HDMI (High-Definition Multimedia Interface) setup

This function allows you to select the Resize mode and audio of the HDMI input signal.

HDMI Setup items	Selectable items	Description
Auto View	Enable/ Disable	Set whether or not to use Resize mode based on signal recognition, including an HDMI signal.
Audio Select	Digital/ Analog	Select “Digital” for audio signal via the HDMI terminal. Select “Analog” for audio signal via the audio input terminal.

Note

- Refer to your external equipment operation manual for the above settings.
- When connecting a DVI-HDMI conversion adaptor/cable to the HDMI terminal, the image may not come in clearly.

■ Setting the resize mode (Resize)

This function allows you to modify or customize the Resize mode to enhance the input image.

Note

- For details of the Resize mode, see pages **25** and **26**.
- You can also press **RESIZE** on the remote control to set the resize mode. (See page **25**.)

■ Timer

You can set the time to switch the monitor on and off.

1 Press **MENU** and press ◄/► to select “Option”.

2 Press ▲/▼ to select “Timer”, and press **ENTER**.

Clock

Sets the current day and time.

1 Press ▲/▼ to select “Clock”, and press **ENTER**.

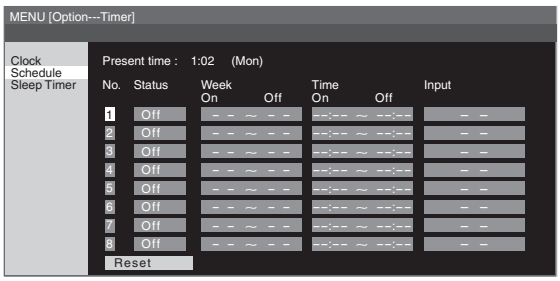
2 Press ◄/► to select items, and press ▲/▼ to change the setting.

3 Press **ENTER**.
“Clock” setting becomes effective.

Schedule

Sets the schedule to switch the monitor on and off.

1 Press ▲/▼ to select “Schedule”, and press **ENTER**.


MENU [Option---Timer]
Clock
Schedule
Sleep Timer
Present time : 1:02 (Mon)
No. Status Week On Off Time On Off Input
1 Off - - ~ - - --:-- ~ --:-- - -
2 Off - - ~ - - --:-- ~ --:-- - -
3 Off - - ~ - - --:-- ~ --:-- - -
4 Off - - ~ - - --:-- ~ --:-- - -
5 Off - - ~ - - --:-- ~ --:-- - -
6 Off - - ~ - - --:-- ~ --:-- - -
7 Off - - ~ - - --:-- ~ --:-- - -
8 Off - - ~ - - --:-- ~ --:-- - -
Reset

2 Press ▲/▼ to select the Schedule number, and press **ENTER**.

3 Set the Schedule.
Press ◄/► to select items, and press ▲/▼ to change the setting.

4 Press **ENTER**.
“Schedule” setting becomes effective.

Selectable items		Description
Status	Weekly	Executes the Schedule on the specified day of the week every week.
	Daily	Executes the Schedule every day regardless of the week.
	Once	Executes the Schedule once on the specified day.
	Off	Schedule not effective.
Week		Specifies the day of the week to execute the Schedule.
Time		Specifies the time to execute the Schedule.
Input		Specifies the input mode at power-on. When not specifying, the screen at the previous power-off appears.

! Caution

- Do not switch off the power after setting the Schedule.
- Specify the correct day and time using “Clock” before setting “Schedule”. “Schedule” does not function unless the day and time are specified.

Note

- Set time On and Off values that are within 12 hours of each other.
- Up to 8 Schedule items can be registered.
- When “Schedule” is set, the TIMER indicator lights red.
- A Schedule that has a large number has precedence over that of a small number when schedules overlap.
- For resetting all adjustment items to factory preset values, while selecting the Schedule number, press ▲/▼ to select “Reset”, and press **ENTER**.

Sleep Timer

Sets the time to switch the monitor off. (1-12 hours)

1 Press ▲/▼ to select “Sleep Timer”, and press **ENTER**.

2 Press ▲/▼ to change the setting.

3 Press **ENTER**.
“Sleep Timer” setting becomes effective.

Note

- When “Sleep Timer” is set, the TIMER indicator lights red.

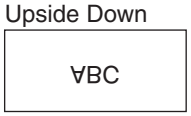
■ Picture Flip

A picture flips to appear.

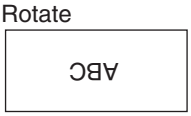
Normal

Mirror

Upside Down



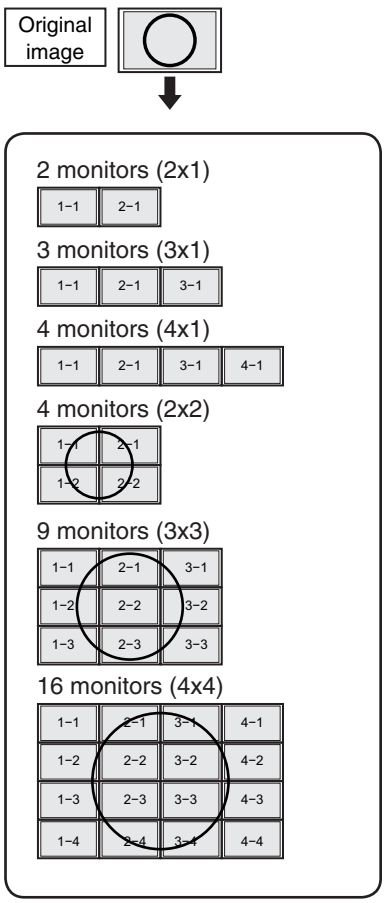
Rotate



■ Multi Screen

You can align 2, 3, 4, 9, or 16 monitors and integrate them into a single large screen to display.
Enlarged views of separated images are displayed in each monitor.

Selectable items	Description
Status	Sets the number of screen splits used for the enlargement.
Position	Specify the split screen to be displayed when this function is used.
H-Bezel V-Bezel	Sets the frame width of the display when this function is used.
H-Position	Adjust the horizontal position of the enlarged screen.
V-Position	Adjust the vertical position of the enlarged screen.
Reset	Resets all adjustment items to factory preset values.



Note

- The availability of Multi Screen modes depending on the video signal is as follows.

Input Mode	Video Signal	3x1	4x1	3x3	4x4
S-VIDEO VIDEO	NTSC	N/A	N/A	N/A	N/A
	PAL	N/A	N/A	N/A	N/A
	SECAM	N/A	N/A	N/A	N/A
Computer1	480I			N/A	N/A
Computer2	576I				N/A

N/A: Not Available

- "Status" and "Position" may not be selected depending on the input signal.
- Depending on the number of monitors and/or the input signal, a distributor for the input signal (commercially available) is required. For details, refer to the "SETUP MANUAL".

■ Power On Delay

You can delay the screen display after the monitor is turned on. The period can be set up to 100 seconds in units of 1 second. When this function is activated, the POWER indicator flashes (at approx. 1 second interval) in orange. This function is disabled when 0 is specified.

■ LED

Specifies whether to light the indicators (POWER, TIMER, and OPC).

Selectable items	Description
On	According to the setting, the indicators light up.
Off	The indicators do not light up.

Note

- Even if "LED" is set to "Off", the POWER indicator lights red in standby mode.
- When backlight and/or temperature problems occur, the TIMER indicator flashes red, even if "LED" is set to "Off".

■ Selecting the background image (Background)

Selectable items	Description
Blue	Blue screen
None	Black screen

Troubleshooting

The Problems described below are not always caused by malfunctions. Check the monitor again before having the monitor serviced.

Problems	Solution
There is no picture or sound.	• Is the power cord disconnected? (See page **21**.) • Has the power been turned on? (See page **23**.) • Check if you pressed **ON** on the remote control. (See page **23**.) If the POWER indicator on the monitor lights up red, press **ON** on the remote control. • Power to the external connected devices is off. • Is the connection to external equipment correct? (See page **16**.) • Is the correct input mode selected? (See page **24**.) • Has the input signal setup been performed correctly after connection? (See page **16**.)
Remote control does not operate.	• Are batteries inserted with polarity (+,-) aligned? (See page **22**.) • Are batteries worn out? Replace with new batteries. (See page **22**.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light shining on the remote control sensor?
There is a picture but no sound.	• Is the sound muted? (See page **24**.) • Make sure the volume is not set to minimum. (See page **24**.) • Are audio cables and speaker cables connected properly? (See pages **18** and **19**.) • Is the audio signal input properly to the selected audio input terminal? (See page **18**.) • Is “FAO” selected for “Audio Output” in the “Option” menu? (See page **40**.)
Picture is cut off. **Black bands appear at the edges of the screen.**	• Is the image position correct? (See page **37**.) • Are screen mode adjustments such as picture size made correctly? (See page **25**.)
Strange color, light color, or color misalignment.	• Check the color adjustments and tint settings. (See page **32**.) • Check the signal type setting. (See page **41**.)
Unstable picture.	• Is a non-compatible signal being input? (See page **49**.) • Try the AUTO SYNC button on the remote control. (See page **27**.)
TIMER indicator flashes red. **Power is suddenly turned off.**	• The unit’s internal temperature has increased. • Check whether the monitor is placed at a location where a quick rise in temperature is likely. Internal temperature rises quickly if the vents on the monitor are blocked. • Internal temperature rises quickly if dust accumulates inside the monitor or around the vents. Remove dust if possible. Consult a Sharp Authorized Dealer about removing internal dust.
Power and picture change automatically.	• Is “Sleep Timer” and/or “Schedule” set? (See page **43**.) • Check the power control setting. (See pages **34** and **35**.)
The unit’s plastic parts make a cracking noise.	• When the ambient temperature changes, the unit’s plastic parts will slightly expand or shrink. This will cause a cracking noise. This is not a fault, it will not affect the unit’s performance.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
- Storage temperature: -4°F to +140°F (-20°C to +60°C).

This unit is equipped with a microprocessor. Its performance could be adversely affected by incorrect operation or interference. If this should happen, unplug the unit and plug it in again after more than 5 minutes.

For SHARP Assistance

If you encounter any problems during setup or operation of this monitor, first refer to the “Troubleshooting” section on page **45**. If this operation manual does not answer your question, please contact the SHARP Service departments listed below.

U.S.A. **Sharp Electronics Corporation**
1-888-GO-SHARP (1-888-467-4277)
lcdsupport@sharpsec.com
http://www.sharpusa.com

Canada **Sharp Electronics of Canada Ltd.**
(905) 568-7140
http://www.sharp.ca

Mexico **Sharp Electronics Corporation Mexico Branch**
(525) 716-9000
http://www.sharp.com.mx

Latin America **Sharp Electronics Corp. Latin American Group**
(305) 264-2277
www.servicio@sharpsec.com
http://www.siempresharp.com

Germany **Sharp Electronics (Europe) GmbH**
01805-234675
http://www.sharp.de

U.K. **Sharp Electronics (U.K.) Ltd.**
08705 274277
http://www.sharp.co.uk/customersupport

Italy **Sharp Electronics (Italy) S.P.A.**
(39) 02-89595-1
http://www.sharp.it

France **Sharp Electronics France**
01 49 90 35 40
hotlineced@sef.sharp-eu.com
http://www.sharp.fr

Spain **Sharp Electronica Espana, S.A.**
93 5819700
sharplcd@sees.sharp-eu.com
http://www.sharp.es

Switzerland **Sharp Electronics (Schweiz) AG**
0041 1 846 63 11
cattaneo@sez.sharp-eu.com
http://www.sharp.ch

Sweden **Sharp Electronics (Nordic) AB**
(46) 8 6343600
vision.support@sen.sharp-eu.com
http://www.sharp.se

Austria **Sharp Electronics (Europe) GmbH Branch Office Austria**
0043 1 727 19 123
pogats@sea.sharp-eu.com
http://www.sharp.at

Benelux **SHARP Electronics Benelux BV**
0900-SHARPCE (0900-7427723) Nederland
9900-0159 Belgium
http://www.sharp.nl
http://www.sharp.be
http://www.sharp.lu

Australia **Sharp Corporation of Australia Pty. Ltd.**
1300-135-022
http://www.sharp.net.au

New Zealand **Sharp Corporation of New Zealand**
Phone: (09) 573-0111
Fax: (09) 573-0112
http://www.sharp.net.nz

Singapore **Sharp-Roxy Sales (S) Pte. Ltd.**
65-226-6556
ckng@srs.global.sharp.co.jp
http://www.sharp.com.sg

Hong Kong **Sharp-Roxy (HK) Ltd.**
(852) 2410-2623
dcmktg@srh.global.sharp.co.jp
http://www.sharp.com.hk

Taiwan **Sharp Corporation (Taiwan)**
0800-025111
http://www.sharp-scot.com.tw

Malaysia **Sharp-Roxy Sales & Service Co.**
(60) 3-5125678

U.A.E. **Sharp Middle East Fze**
971-4-81-5311
helpdesk@smef.global.sharp.co.jp

Thailand **Sharp Thebnakorn Co. Ltd.**
02-236-0170
svc@stcl.global.sharp.co.jp
http://www.sharp-th.com

Korea **Sharp Electronics Incorporated of Korea**
(82) 2-3660-2002
lcd@sharp-korea.co.kr
http://www.sharpkorea.co.kr

India **Sharp Business Systems (India) Limited**
(91) 11- 6431313
service@sharp-oa.com

Specifications

■ Product specifications

Item \ Model		TL-M5200	TL-M4600
LCD Panel		ASV low-reflection black TFT LCD	
Screen size		52 1/32" (1322 mm measured diagonally)	45 63/64" (1168 mm measured diagonally)
Active View Size Wide x High		45 23/64" x 25 33/64" (1152 mm x 648 mm)	40 3/32" x 22 9/16" (1018 mm x 573 mm)
Number of pixels		2,073,600 pixels (1920 x 1080)	
Pixel pitch		0.600 mm (H) x 0.600 mm (V)	0.530 mm (H) x 0.530 mm (V)
Brightness		450 cd/m^2	400 cd/m^2
Maximum colors		16.77 Million colors (8 bits/color)	
Viewing angle		Horizontal 176°/Vertical 176° (contrast ratio ≥ 10)	
Backlight life (Approx.)		60,000 Hours[*1] (at Backlight Standard position)	
Audio amplifier		15 W x 15 W (4 Ω)	
Terminals	Rear	Computer input 1 Audio input	Mini D-sub 15-pin (RGB/Component[*3]) Ø3.5 mm stereo minijack
		Computer input 2 Audio input	5BNC[*2] (RGB/Component[*3]) Ø3.5 mm stereo minijack
		Monitor output Audio output	Mini D-sub 15-pin (RGB/Component[*3]) Ø3.5 mm stereo minijack
		Speaker output	LR push terminal type
		LAN	RJ-45 8-pin modular
		RS-232C	D-sub 9-pin
		DVI-D[*4] Audio input	24-pin (Compatible with HDCP) Ø3.5 mm stereo minijack
		HDMI input	19-pin (Compatible with HDCP)
	Side	S-Video input Video input Audio input	Mini Din 4-pin RCA RCA
OSD language		English/French/Spanish/Italian/German/Dutch/Japanese	
External control		LAN, RS-232C	
Power Requirement		AC 100-240 V, 50/60 Hz	
Power Consumption		312 W, 3.2 A	278 W, 2.8 A
Standby Power Consumption		TL-M5200: 33 W (Mode1), 1.4 W (Mode2), 0.3 W (Mode3) at AC 120 V 33 W (Mode1), 1.6 W (Mode2), 0.5 W (Mode3) at AC 240 V TL-M4600: 30 W (Mode1), 1.4 W (Mode2), 0.3 W (Mode3) at AC 120 V 30 W (Mode1), 1.6 W (Mode2), 0.5 W (Mode3) at AC 240 V	
Weight		61.8 lbs./28.0 kg (without Setup Stand)	48.5 lbs./22.0 kg (without Setup Stand)
Dimension (W x H x D) (without Setup Stand)		48 61/64" x 28 43/64" x 3 63/64" (1243 mm x 728 mm x 101 mm)	43 43/64" x 25 19/32" x 4 11/64" (1109 mm x 650 mm x 106 mm)
Operating Temperature		32°F - 104°F (0°C - 40°C)	
Operating Humidity		30% - 80% (no condensation)	

[*1] The typical period of time after which the backlight power output will have decreased by about half, given that the monitor is used continuously at 77°F (25°C) under standard lighting and brightness conditions.
[*2] Plug-and-play is not supported.
[*3] Cannot be used simultaneously.
[*4] Connection is only allowed with an HDCP-compatible device.

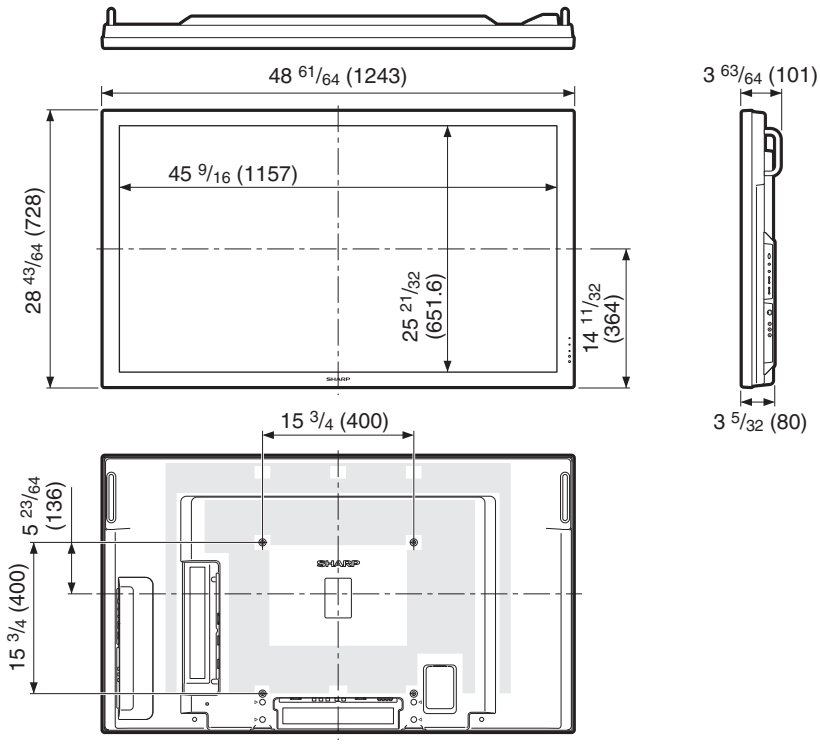
As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

■ Dimensional drawings

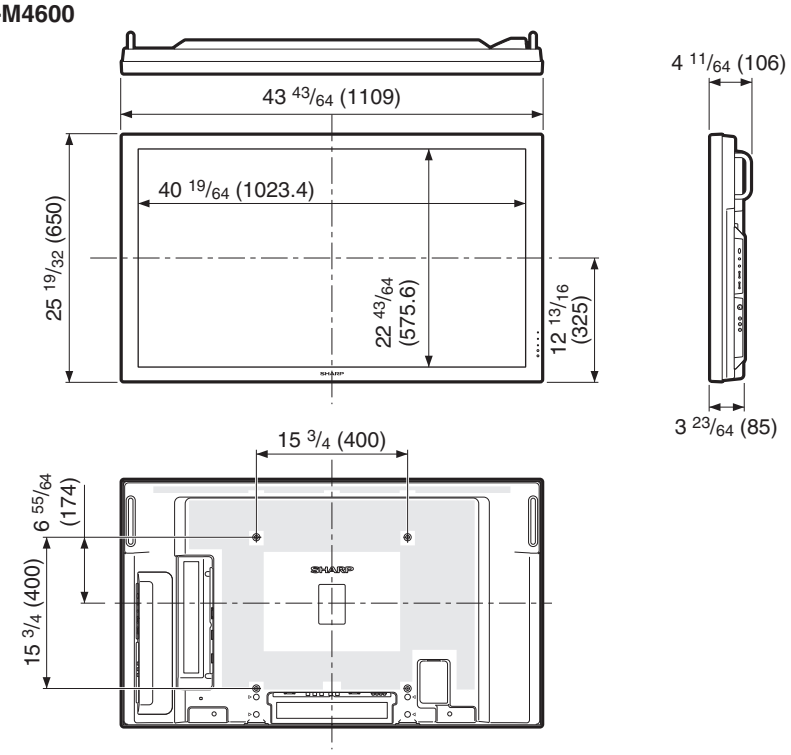
Note that the values shown are approximate values.

TL-M5200

Unit: inch (mm)



TL-M4600



■ Computer compatibility chart

The table below shows the signal modes compatible with this device. If the display is incorrect or it does not display, please refer to the table below and adjust the output signal according to your hardware.

Computer

- Multiple signal support
  Horizontal Frequency: 31-80 kHz
  Vertical Frequency: 50-85 Hz
  Pixel Clock: 25-149 MHz
  Sync signal: Compatible with TTL level
- Compatible with sync on green signal

The following is a list of modes that conform to VESA. However, this monitor supports other signals that are not VESA standards.

PC/MAC	Resolution		Horizontal Frequency (kHz)	Vertical Frequency (Hz)	VESA Standard	DVI-D Support	Display
PC	VGA	640x400	31.5	70		✔	Upscale
		720x400	31.5	70		✔	
			37.9	85	✔		
		640x480	31.5	60	✔	✔	
			37.9	72	✔	✔	
			37.5	75	✔	✔	
			43.3	85	✔		
	SVGA	800x600	31.3	50			
			35.2	56	✔	✔	
			37.9	60	✔	✔	
			48.1	72	✔	✔	
			46.9	75	✔	✔	
	XGA	1024x768	48.4	60	✔	✔	
			56.5	70	✔		
			58.1	72	✔		
			60.0	75	✔	✔	
	WXGA	1280x720	44.7	60		✔	
		1280x768	47.8	60	✔	✔	
		1360x768	47.7	60		✔	
	SXGA	1280x1024	64.0	60	✔	✔	
			80.0	75	✔		
	SXGA+	1400x1050	64.0	60	✔		
			65.3	60	✔	✔	
		1920x1080*	67.5	60		✔	True
MAC	13”	640x480	35.0	67			Upscale
	16”	832x624	49.7	75			
	21”	1152x870	68.7	75			

* DVI-D only

DTV

Signal	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	DVI-D/HDMI Support (Compatible with HDCP)
480I	15.7	60	
480P	31.5	60	✔
576I	15.6	50	
576P	31.3	50	✔
720P	37.5	50	✔
720P	45.0	60	✔
1035I	33.8	60	✔
1080I	28.1	50	✔
1080I	33.8	60	✔
1080P	56.3	50	✔
1080P	67.5	60	✔

- Depending on the connected computer, images may not be displayed properly even if the compatible signal described above is input.

■ Power management

This monitor conforms to VESA DPMS and DVI DMPM. Both your video card and computer must support the same standard in order for the monitor's power management function to work.

DPMS: Display Power Management Signaling

DPMS	Screen	Power consumption	Hsync	Vsync
ON STATE	Display	312 W (TL-M5200) 278 W (TL-M4600)	Yes	Yes
STANDBY	No display	1.7 W* (at AC 120 V) 2.0 W* (at AC 240 V)	No	No

DMPM: Digital Monitor Power Management

DMPM	Screen	Power consumption
Monitor ON	Display	312 W (TL-M5200) 278 W (TL-M4600)
Active OFF	No display	1.9 W* (at AC 120 V) 2.1 W* (at AC 240 V)

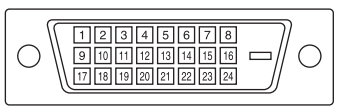
* When "Standby Mode" is set to "Mode2".
  33 W when "Standby Mode" is set to "Mode1". (TL-M5200)
  30 W when "Standby Mode" is set to "Mode1". (TL-M4600)

■ DDC (plug and play)

The monitor supports the VESA DDC (Display Data Channel) standard.
DDC is a signal standard for plug and play between monitors and computers. Information about resolution and other parameters is exchanged between the two. This function can be used if the computer supports DDC and it has been configured to detect plug-and-play monitors.
There are several types of DDC, depending on the communication method used. This monitor supports DDC2B.

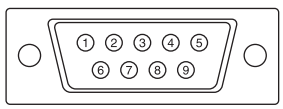
■ Connecting pin assignments

DVI-D input terminal: DVI-D 24 pin



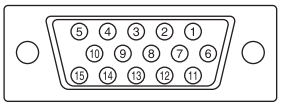
Pin No.	Signal	Pin No.	Signal
1	T.M.D.S data 2-	13	Not connected
2	T.M.D.S data 2+	14	+5 V power
3	T.M.D.S data 2/4 shield	15	GND
4	Not connected	16	Hot plug detection
5	Not connected	17	T.M.D.S data 0-
6	DDC clock	18	T.M.D.S data 0+
7	DDC data	19	T.M.D.S data 0/5 shield
8	Not connected	20	Not connected
9	T.M.D.S data 1-	21	Not connected
10	T.M.D.S data 1+	22	T.M.D.S clock shield
11	T.M.D.S data 1/3 shield	23	T.M.D.S clock+
12	Not connected	24	T.M.D.S clock-

RS-232C terminal: D-sub 9 pin



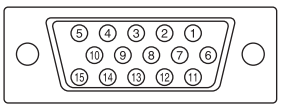
Pin No.	Signal	Pin No.	Signal
1	Not connected	6	Not connected
2	Received data	7	Request to Send
3	Transmitted data	8	Clear to Send
4	Not connected	9	Not connected
5	GND		

RGB/COMPONENT input terminal: mini D-sub 15 pin



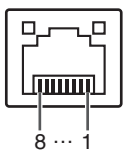
Pin No.	Signal	Pin No.	Signal
1	Video input (red)	9	+5 V power
2	Video input (green/sync on green)	10	GND
3	Video input (blue)	11	Not connected
4	Not connected	12	DDC data
5	Not connected	13	Horizontal sync signal: TTL level
6	Earth (red)	14	Vertical sync signal: TTL level
7	Earth (green/sync on green)	15	DDC clock
8	Earth (blue)		

RGB/COMPONENT output terminal: mini D-sub 15 pin



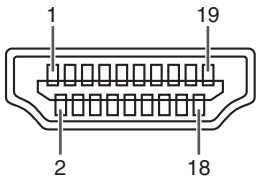
Pin No.	Signal	Pin No.	Signal
1	Video input (red)	9	Not connected
2	Video input (green/sync on green)	10	GND
3	Video input (blue)	11	Not connected
4	Not connected	12	Not connected
5	Not connected	13	Horizontal sync signal: TTL level
6	Earth (red)	14	Vertical sync signal: TTL level
7	Earth (green/sync on green)	15	DDC clock
8	Earth (blue)		

LAN terminal: LAN (RJ-45)



Pin No.	Signal	Pin No.	Signal
1	TX+	5	
2	TX-	6	RX-
3	RX+	7	
4		8	

HDMI terminal



Pin No.	Signal	Pin No.	Signal
1	T.M.D.S data 2+	11	T.M.D.S clock shield
2	T.M.D.S data 2 shield	12	T.M.D.S clock-
3	T.M.D.S data 2-	13	CEC
4	T.M.D.S data 1+	14	Reserved
5	T.M.D.S data 1 shield	15	SCL
6	T.M.D.S data 1-	16	SDA
7	T.M.D.S data 0+	17	DDC/CEC ground
8	T.M.D.S data 0 shield	18	+5V power
9	T.M.D.S data 0-	19	Hot plug detection
10	T.M.D.S clock+		

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For USA customers only

END-USER COMMERCIAL APPLICATION LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first end user PURCHASER that this commercial application Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the PURCHASER for parts or labor for the period(s) set forth below.

This warranty does not apply to any cosmetic or consumable items of the Product or if the serial number or model number affixed to the Product has been removed, defaced, changed, altered or tampered with. This warranty does not cover installation or signal reception problems.

In order to enforce the rights under this limited warranty, the PURCHASER should follow the steps set forth below. The PURCHASER must be able to provide proof of purchase to the servicer, which proof must include the date of purchase.

To the extent permitted by applicable state law, the warranties set forth are in lieu of, and exclusive of, all other warranties, express or implied. Specifically ALL OTHER WARRANTIES OTHER THAN THOSE SET FORTH ABOVE ARE EXCLUDED, ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE, AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. IF, UNDER APPLICABLE STATE LAW, IMPLIED WARRANTIES MAY NOT VALIDLY BE DISCLAIMED OR EXCLUDED, THE DURATION OF SUCH IMPLIED WARRANTIES IS LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW.

The warranties given herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the PURCHASER and only for the time periods set forth herein. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the PURCHASER with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. Sharp does not warrant nor shall Sharp be liable, or in any way responsible, for Products which have been subject to abuse (including, but not limited to, improper voltage), accident, misuse, negligence, lack of reasonable care, alteration, modification, tampering, misuse, improper operation or maintenance or any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than a Sharp authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow limits on warranties or on remedies for breach in certain transactions; in such states, the limits herein may not apply.

This Limited Warranty is Valid Only in the (50) United States, The District Of Columbia, and Puerto Rico.

Model Specific Section (On-Site Service)

Your Product Model Number & Description:	TL-M5200/TL-M4600 LCD Monitor (Be sure to have this information available when you need service for your Product.)
Warranty Period for this Product:	Three (3) years parts and labor including the backlight from date of purchase.
Additional Exclusions:	In order for the Product to be serviced, the Product must be readily available to the servicer, free and clear of any installation, mounting or other encumbrance which would interfere with servicing the Product. The servicer will not reinstall or remount the Product after service. Any labor and materials required to remove and/or reinstall a Product are the responsibility of the end-user. Image Retention resulting from fixed images displayed for long periods of time. (See Operation Manual on how to correct/prevent this)
Where to Obtain Service:	From a Sharp Authorized Servicer located in the United States. To find the location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.
What to do to Obtain Service:	Contact your Sharp Authorized Servicer to obtain on-site service for this product. The Servicer will come to your location and if necessary remove the unit for repair at the Servicer's facility. Be sure to have **Proof of Purchase** available.

TO OBTAIN PRODUCT INFORMATION OR ACCESSORIES, CALL **1-888-GO-SHARP** OR VISIT www.SharpUSA.com

VALID IN CANADA ONLY

END-USER COMMERCIAL APPLICATION LIMITED WARRANTY

SHARP ELECTRONICS of CANADA LIMITED warrants to the first end user PURCHASER that this commercial application Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the PURCHASER for parts or labor for the period(s) set forth below.

This warranty does not apply to any cosmetic or consumable items of the Product or if the serial number or model number affixed to the Product has been removed, defaced, changed, altered or tampered with. This warranty does not cover installation or signal reception problems.

In order to enforce the rights under this limited warranty, the PURCHASER should follow the steps set forth below. The PURCHASER must be able to provide proof of purchase to the servicer, which proof must include the date of purchase.

To the extent permitted by applicable provincial law, the warranties set forth are in lieu of, and exclusive of, all other warranties, express or implied. Specifically ALL OTHER WARRANTIES OTHER THAN THOSE SET FORTH ABOVE ARE EXCLUDED, ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE, AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. IF, UNDER APPLICABLE PROVINCIAL LAW, IMPLIED WARRANTIES MAY NOT VALIDLY BE DISCLAIMED OR EXCLUDED, THE DURATION OF SUCH IMPLIED WARRANTIES IS LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW.

The warranties given herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the PURCHASER and only for the time periods set forth herein. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the PURCHASER with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. Sharp does not warrant nor shall Sharp be liable, or in any way responsible, for Products which have been subject to abuse (including, but not limited to, improper voltage), accident, misuse, negligence, lack of reasonable care, alteration, modification, tampering, misuse, improper operation or maintenance or any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than a Sharp authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some provinces do not allow limits on warranties or on remedies for breach in certain transactions; in such provinces, the limits herein may not apply.

THIS LIMITED WARRANTY IS VALID ONLY IN CANADA.

Model Specific Section (On-Site Service)

Your Product Model Number & Description:	TL-M5200/TL-M4600 LCD MONITOR
Warranty Period for this Product:	Three (3) year parts and labour from date of purchase.
Additional Exclusions:	In order for the Product to be serviced, the Product must be readily available to the servicer, free and clear of any installation, mounting or other encumbrance which would interfere with servicing the Product. Labour and materials required to remove and reinstall a monitor in ceiling mount locations, complex systems including, but not limited to, monitors installed in custom enclosures, monitors connected to third party control and automation systems. Image Retention resulting from a fixed image being displayed for long periods of time is not covered by this Limited Warranty (see Operation Manual on how to prevent this).
What to do to Obtain Service:	Contact your Sharp Authorized Servicer to obtain on-site service for this product. The Servicer will come to your location and if necessary remove the unit for repair/replacement at the Servicer's facility. Be sure to have **Proof of Purchase** available.

VEREHRTE KUNDIN, VEREHRTER KUNDE Deutsch

Wir danken Ihnen für den Kauf eines SHARP LCD-Monitors. Um Ihre Sicherheit sowie einen jahrelangen, störungsfreien Betrieb dieses Produkts zu gewährleisten, lesen Sie bitte die Abschnitte „WICHTIGE INFORMATIONEN“ und „WICHTIGE SICHERHEITSHINWEISE“ vor der Verwendung des Produkts sorgfältig durch.

WICHTIGE INFORMATIONEN

ACHTUNG: HALTEN SIE DAS GERÄT VON REGEN UND JEGLICHER ART VON FEUCHTIGKEIT FERN, UM DIE GEFAHR VON BRAND ODER STROMSCHLAG ZU VERRINGERN.

VORSICHT
ELEKTROSCHOCK-GEFAHR
NICHT ÖFFNEN
VORSICHT: ABDECKUNG ODER RÜCKSEITE UNTER KEINEN UMSTÄNDEN ABNEHMEN: STROMSCHLAGGEFAHR! ES BEFINDEN SICH KEINE VOM BENUTZER WARTBAREN TEILE IM GERÄT. SERVICEARBEITEN NUR VON QUALIFIZIERTEM FACHPERSONAL DURCHFÜHREN LASSEN.

Das Blitzsymbol innerhalb eines gleichseitigen Dreiecks weist den Benutzer auf das Vorhandensein nicht isolierter „gefährlicher Spannung“ im Geräteinneren hin, die ausreichend groß ist, um einen Elektroschock hervorzurufen.

Das Rufzeichen innerhalb eines Dreiecks weist den Benutzer auf wichtige Betriebs- und Wartungs- bzw. Serviceanweisungen in der Produktdokumentation hin.

ACHTUNG: Dieses Gerät ist ein Produkt der Klasse A. In Wohnräumen kann dieses Gerät Störsignale erzeugen, die durch entsprechende Abhilfemaßnahmen beseitigt werden müssen.

ACHTUNG: Gemäß den Richtlinien der US-Zulassungsbehörde für Kommunikationsgeräte FCC können nicht ausdrücklich durch den Hersteller genehmigte Änderungen oder Anpassungen am vorliegenden Gerät zum Erlöschen der Betriebserlaubnis führen. NUR U.S.A.

VORSICHT: Das vorliegende Gerät erfüllt die FCC-Richtlinien, sofern zum Verbinden des Geräts mit anderen Geräten abgeschirmte Kabel und Stecker verwendet werden. Um elektromagnetische Interferenzen mit anderen elektrischen Geräten, wie Videogeräten, zu vermeiden, müssen zum Verbinden des Geräts mit anderen Geräten abgeschirmte Kabel und Stecker verwendet werden. NUR U.S.A.

WICHTIGE INFORMATIONEN

WICHTIGER HINWEIS:
Das vorliegende Gerät erfüllt laut einschlägiger Prüfung die Grenzwertanforderungen für digitale Geräte der Klasse B gemäß Abschnitt 15 der FCC-Richtlinien. Diese Grenzwerte sollen einen angemessenen Schutz vor störenden Interferenzen im häuslichen Umfeld gewährleisten. Das vorliegende Gerät erzeugt, verwendet und emittiert u. U. Energie im Hochfrequenzbereich, so dass es bei einer von der vorliegenden Anleitung abweichenden Installation oder Verwendung störende Interferenzen auf Funkverbindungen verursachen kann. Allerdings besteht auch keine Gewähr, dass es bei einer bestimmten Art der Installation nicht zu Interferenzen kommen wird. Sollte das vorliegende Gerät störende Interferenzen auf den Rundfunk- oder Fernsehempfang verursachen - was sich durch Ausschalten und anschließendes Wiedereinschalten des Geräts ermitteln lässt -, so wird der Benutzer aufgefordert, sich mithilfe einer oder mehrerer der folgenden Maßnahmen um Abhilfe zu bemühen:
– Die Empfangsantenne an einem anderen Ort aufstellen oder anders ausrichten.
– Den räumlichen Abstand zwischen dem Gerät und dem betroffenen Empfänger erhöhen.
– Das Gerät an einen anderen Stromkreis anschließen als den betroffenen Empfänger.
– Den Händler oder einen erfahrenen Rundfunk- und Fernsehtechniker zu Rate ziehen. NUR U.S.A.

KONFORMITÄTSERKLÄRUNG:
SHARP LCD-MONITOR, MODELL TL-M5200/TL-M4600
Das vorliegende Gerät erfüllt Abschnitt 15 der FCC-Richtlinien. Der Betrieb unterliegt folgenden zwei Bedingungen:
(1) Das vorliegende Gerät darf keine störende Interferenz erzeugen. (2) Das vorliegende Gerät muss unanfällig gegenüber empfangenen Interferenzen sein, einschließlich Interferenzen, die zu einem unerwünschten Geräteverhalten führen könnten.
VERANTWORTLICHES UNTERNEHMEN:
SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163, USA
TEL.: 1-800-BE-SHARP
Für Geschäftskunden: URL http://www.sharpusa.com NUR U.S.A.

Dieses Gerät enthält Lötzinn sowie eine Leuchtstoffröhre, in der sich geringe Mengen an Quecksilber befinden. Die Entsorgung dieser Materialien unterliegt in manchen Ländern verschiedenen Umweltschutzvorschriften. Informationen zu Entsorgung oder Recycling erhalten Sie von den Behörden Ihres Landes, der EIA (Electronic Industries Alliance): www.eiae.org, der Lampen-Recyclingorganisation: www.lamprecycle.org oder Sharp unter 1-800-BE-SHARP
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Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg NUR E.U.

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Elektrizität erfüllt viele nützliche Aufgaben, kann aber auch Personen- und Sachschäden verursachen, wenn sie unsachgemäß gehandhabt wird. Dieses Produkt wurde mit Sicherheit als oberster Priorität konstruiert und hergestellt. Dennoch besteht bei unsachgemäßer Handhabung u. U. Stromschlag- und Brandgefahr. Um mögliche Gefahren zu vermeiden, befolgen Sie beim Aufstellen, Betreiben und Reinigen des Produkts bitte die nachstehenden Anleitungen. Lesen Sie im Interesse Ihrer eigenen Sicherheit sowie einer langen Lebensdauer des LCD-Monitors zunächst die nachstehenden Hinweise durch, bevor Sie das Produkt in Verwendung nehmen.

1) Lesen die vorliegende Anleitung gründlich durch.
2) Bewahren Sie die vorliegende Anleitung zum späteren Nachschlagen sorgfältig auf.
3) Beachten Sie sämtliche Warnungen.
4) Befolgen Sie die Anleitung in allen Einzelheiten.
5) Benutzen Sie dieses Gerät nicht in der Nähe von Wasser.
6) Reinigen Sie das Gerät ausschließlich mit einem trockenen Tuch.
7) Alle Belüftungsöffnungen müssen stets frei bleiben. Beachten Sie bei der Montage die Anweisungen des Herstellers.
8) Stellen Sie das Produkt nicht in der Nähe von Heizkörpern, Heizgeräten, Öfen oder anderen Geräten (wie z. B. Verstärkern) auf, die Hitze abstrahlen.
9) Versuchen Sie unter keinen Umständen, die Schutzvorrichtungen des SchuKo-Steckers zu umgehen. Wenn der SchuKo-Stecker nicht in Ihre Steckdose passt, rufen Sie bitte einen qualifizierten Elektriker. Dieser wird die Steckdose ersetzen, sofern es sich um eine veraltete Ausführung ohne Schutzkontakte handelt, bzw. das Netzkabel durch ein entsprechend dimensioniertes Kabel mit Schutzvorrichtung ersetzen, sofern Sie das Gerät dauerhaft in einem Gebiet einsetzen, in dem gemäß einschlägiger örtlicher Vorschrift andere Schutzvorrichtungen zum Einsatz kommen.
10) Verhindern Sie, dass auf das Netzkabel getreten wird oder dass es abgeknickt wird. Dies gilt insbesondere am Stecker, an der Steckdose, an Verlängerungskabeln und -dosen sowie an der Stelle, an der das Kabel aus dem Gerät austritt.
11) Verwenden Sie ausschließlich Zusatzgeräte und Zubehör mit Herstellerempfehlung.
12) Verwenden Sie das Gerät nur mit dem vom Hersteller vorgeschriebenen bzw. im Lieferumfang enthaltenen Wagen, Ständer, Stativ, Montagewinkel oder Tisch. Wenn ein Wagen verwendet wird, seien Sie bitte besonders vorsichtig, wenn die Kombination aus Wagen und Gerät verschoben wird, damit niemand über Kabel stolpert und sich verletzt.

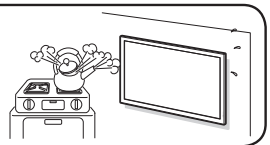
13) Ziehen Sie den Netzstecker dieses Geräts während Gewittern, sowie wenn es längere Zeit nicht verwendet wird, aus der Steckdose.
14) Die Wartung darf ausschließlich durch qualifiziertes Wartungspersonal ausgeführt werden. Wartung ist erforderlich, wenn das Gerät in irgendeiner Form beschädigt worden ist, etwa bei einem beschädigten Netzkabel oder Netzstecker, wenn Flüssigkeit ins Gerät eingedrungen oder Fremdkörper hineingefallen sind, wenn das Gerät Regen oder Feuchtigkeit ausgesetzt war, wenn es nicht richtig funktioniert sowie wenn es heruntergefallen ist.

Zusätzliche Sicherheitshinweise

15) Netzspannung — Dieses Gerät darf ausschließlich an einer Netzsteckdose betrieben werden, welche die auf dem Typenschild angegebenen Anforderungen erfüllt. Wenn Sie sich unsicher sind, welche Netzspannung bei Ihnen zuhause vorliegt, wenden Sie sich bitte an den Händler, bei dem Sie das Gerät erworben haben, oder an Ihr örtliches Energieversorgungsunternehmen. Bei Geräten, die mit Batterien oder sonstigen Stromquellen betrieben werden sollen, beachten Sie bitte die entsprechenden Hinweise in der Bedienungsanleitung.
16) Überlastung — Vermeiden Sie eine Überlastung von Steckdosen, Verlängerungskabeln und Verlängerungsdosen, denn bei Überlastung besteht Brand- und Stromschlaggefahr.
17) Eindringen von Gegenständen und Flüssigkeiten — Schieben Sie niemals irgendwelche Gegenstände durch die Gehäuseöffnungen in das Innere des Geräts, denn Sie könnten dabei Kontakte berühren, an denen lebensbedrohliche Spannung vorhanden ist, oder Kurzschlüsse auslösen, die wiederum zu Brand oder Stromschlag führen könnten. Verschütten Sie auch niemals Flüssigkeiten irgendwelcher Art auf das Gerät.
18) Kundendiensteingriffe erfordernde Schäden — Wenn einer der folgenden Fälle vorliegt, müssen Sie den Netzstecker des Geräts aus der Steckdose ziehen und qualifiziertes Wartungspersonal mit der Instandsetzung beauftragen:
    a) Wenn das Netzkabel oder der Netzstecker beschädigt ist.
    b) Wenn Flüssigkeit in das Gerät eingedrungen ist oder Gegenstände in das Gerät gefallen sind.
    c) Wenn das Gerät nass geworden ist (z. B. durch Regen).
    d) Wenn das Gerät nicht wie in der Bedienungsanleitung beschrieben funktioniert.
    Nehmen Sie nur die in den Bedienungsanleitungen beschriebenen Einstellungen vor. Unsachgemäße Einstellungen an anderen Reglern können zu einer Beschädigung führen und machen häufig umfangreiche Einstellarbeiten durch einen qualifizierten Wartungstechniker erforderlich, bis das Gerät wieder normal funktioniert.
    e) Wenn das Produkt fallen gelassen oder in irgendeiner Weise beschädigt worden ist.
    f) Wenn sich die Leistung des Geräts deutlich verschlechtert. In allen soeben aufgezählten Fällen muss unverzüglich qualifizierte Wartung angefordert werden.
19) Ersatzteile — Wenn Ersatzteile benötigt werden, dann achten Sie bitte darauf, dass der Service-Techniker nur die vom Hersteller vorgeschriebenen Teile oder Teile mit identischen Eigenschaften wie die Originalteile verwendet. Die Verwendung abweichender Teile kann zu einem Brand, zu Stromschlag oder anderen Gefahren führen.
20) Sicherheitsüberprüfungen — Lassen Sie vom Service-Techniker nach Wartungs- oder Reparaturarbeiten eine Sicherheitsprüfung vornehmen, um zu gewährleisten, dass das Produkt in einem einwandfreien Betriebszustand ist.
21) Wandmontage — Bei der Montage des Geräts an der Wand muss unbedingt darauf geachtet werden, dass die Befestigung nach der vom Hersteller empfohlenen Methode erfolgt.
22) Das LCD-Panel ist ein Glasprodukt. Es kann daher brechen, wenn es zu Boden fällt bzw. einen Schlag oder Stoß erhält. Achtung: Bei einem Bruch des LCD-Panels besteht durch die Glasstücke Verletzungsgefahr!

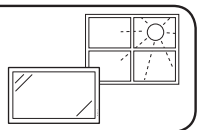
WICHTIGE SICHERHEITSHINWEISE

- Wasser und Feuchtigkeit — Benutzen Sie das Gerät nicht in der Nähe von Wasser, etwa in der Nähe einer Badewanne, eines Waschbeckens, eines Spülbeckens, eines Wäschebeckens, in einem feuchten Keller, in der Nähe eines Schimmbeckens usw.



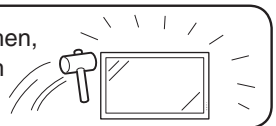
- Ständer — Verwenden Sie dieses Gerät nicht auf einem instabilen Wagen, Ständer, Stativ oder Tisch. Bei Verwendung einer instabilen Basis kann das Gerät zu Boden fallen und dabei Verletzungen verursachen oder selbst beschädigt werden. Verwenden Sie das Gerät nur mit dem vom Hersteller vorgeschriebenen bzw. im Lieferumfang enthaltenen Wagen, Ständer, Stativ, Montagewinkel oder Tisch. Setzen Sie den Monitor keinen starken Stößen oder Erschütterungen aus. Bei der Montage des Geräts an der Wand muss unbedingt darauf geachtet werden, dass die Befestigung nach der vom Hersteller empfohlenen Methode erfolgt. Dabei darf ausschließlich das vom Hersteller vorgeschriebene Montagezubehör verwendet werden.

- Auswahl des Aufstellungsorts — Wählen Sie einen Ort ohne direkte Sonneneinstrahlung und mit guter Belüftung.

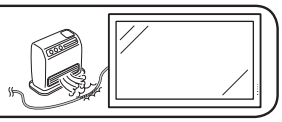


- Belüftung — Die Belüftungsschlitze und andere Öffnungen im Gehäuse dienen der Belüftung des Geräts. Halten Sie diese Öffnungen unbedingt frei, da eine unzureichende Belüftung zu einer Überhitzung bzw. Verkürzung der Lebensdauer des Geräts führen kann. Stellen bzw. legen Sie das Gerät nicht auf ein Bett, ein Sofa, einen Teppich oder ähnliche Oberflächen, da die Belüftungsschlitze dadurch blockiert werden können. Dieses Gerät wurde nicht als Einbaugerät konstruiert, so dass es nicht in einem umschlossenen Gehäuse, wie z. B. in einem Bücherregal oder einem Schrank, montiert werden darf. Eine Ausnahme von dieser Regel ist nur möglich, sofern dort eine ausreichende Belüftung garantiert ist und sämtliche Anweisungen des Herstellers befolgt werden.

- Das Flüssigkristall-Panel (LCD-Panel) ist ein Glasprodukt. Es kann daher brechen, wenn es zu Boden fällt bzw. einen Schlag oder Stoß erhält. Achtung: Bei einem Bruch des LCD-Panels besteht durch die Glasstücke Verletzungsgefahr!



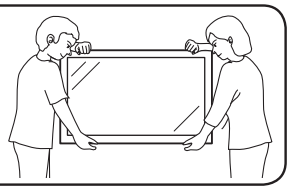
- Hitze — Stellen Sie das Gerät nicht in der Nähe von Heizkörpern, Heizgeräten, Öfen oder anderen Geräten (wie z. B. Verstärkern) auf, die Hitze abstrahlen.



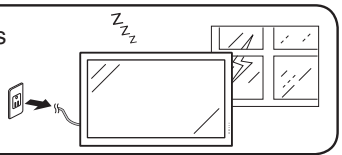
- Beim Flüssigkristall-Panel (LCD-Panel) handelt es sich um ein Hightech-Produkt mit 2.073.600 Pixeln, das Ihnen feinste Bilddetails liefert.
  Vereinzelt können auf dem Bildschirm einige inaktive Pixel als feste blaue, grüne oder rote Punkte erscheinen.
  Außerdem können bei Betrachtung des Bildschirms aus einem spitzen Winkel die Farben oder die Helligkeit unregelmäßig erscheinen.
  Bitte beachten Sie, dass dies die Leistung des Monitors in keiner Weise beeinträchtigt.

Sicherheitsvorkehrungen beim Transport des Monitors

- Achten Sie darauf, dass der Monitor stets von zwei Personen getragen wird, die ihn mit beiden Händen halten, eine Hand auf jeder Seite des Monitors.
- Fassen Sie den Monitor beim Transport nicht an den daran befestigten als Sonderzubehör erhältlichen Lautsprechern.

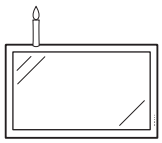


- Gewitter — Zur zusätzlichen Vorsorge sollten Sie den Netzstecker dieses Geräts während Gewittern, sowie wenn es längere Zeit nicht verwendet wird, aus der Steckdose ziehen. So verhindern Sie Schäden am Gerät durch Blitzschlag und Spannungsspitzen.

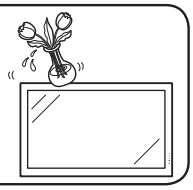


WICHTIGE SICHERHEITSHINWEISE

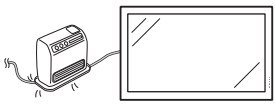
- Aus Brandschutzgründen dürfen unter keinen Umständen Kerzen oder sonstiges offenes Licht auf oder in die Nähe des Monitors gestellt werden.



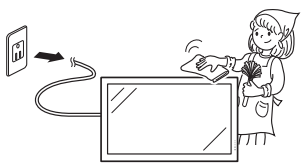
- Aus Brandschutzgründen sowie zur Vermeidung von Stromschlag darf dieses Gerät unter keinen Umständen tropfendem oder spritzendem Wasser ausgesetzt werden.
  Es dürfen keinerlei mit Flüssigkeiten gefüllte Gegenstände, wie etwa Vasen, auf das Produkt gestellt werden.



- Aus Brandschutzgründen sowie zur Vermeidung von Stromschlag darf das Netzkabel unter keinen Umständen unter oder hinter dem Monitor bzw. sonstigen schweren Gegenständen eingeklemmt werden.



- Schalten Sie die Stromversorgung ab und ziehen Sie den Netzkabel, bevor Sie das Gerät in irgendeiner Weise bewegen.
- Wischen Sie die Oberfläche des LCD-Panels bei Bedarf mit einem weichen Lappen vorsichtig ab. Bei Verwendung eines harten Lappens könnte die Oberfläche des LCD-Panels verkratzt werden.
- Wenn die Oberfläche des LCD-Panels wirklich schmutzig ist, wischen Sie sie mit einem leicht angefeuchteten weichen Lappen vorsichtig ab. (Energisches Reiben kann die Oberfläche des LCD-Panels verkratzen.)
- Wenn das LCD-Panel staubig ist, verwenden Sie zu Reinigung eine im Handel erhältlich Antistatik-Bürste.
- Zum Schutz des LCD-Panels bitte unbedingt beachten: Verwenden Sie keinen schmutzigen Lappen, keine Flüssigreiniger und keinen mit Chemikalien getränkten Lappen, denn derartige Materialien und Substanzen können die Oberfläche des LCD-Panels beschädigen.
- Zur Reinigung der Gehäuseoberfläche gehen Sie bitte genauso vor. Verwenden Sie keine Flüssigreiniger oder Reinigungssprays.



- Lassen Sie niemals ein Standbild über längere Zeit hinweg anzeigen, da sonst die Gefahr besteht, dass es zu einem „Einbrennen“ in das LCD-Panel kommt.

- Vermeiden Sie es, den Monitor mit harten Gegenständen abzureiben oder zu berühren.
- Wir bitten um Ihr Verständnis, dass die SHARP CORPORATION über die gesetzlich anerkannte Leistungshaftung hinaus keine Haftung für Fehler übernimmt, die sich aus der Verwendung durch den Kunden oder einen Dritten ergeben, und auch nicht für sonstige Funktionsstörungen oder Schäden, die während der Verwendung am Gerät entstehen.
- Eine Aktualisierung dieses Monitors und seines Zubehörs ist vorbehalten.
- Verwenden Sie den Monitor nicht an Orten mit hoher Staubentwicklung, hoher Luftfeuchtigkeit oder an Orten, an denen der Monitor mit Öl oder Dampf in Kontakt kommen könnte, da dies zu einem Brand führen könnte.
- Achten Sie auch darauf, dass keine Gegenstände, wie z. B. Büroklammern oder sonstige spitze Gegenstände, in den Monitor gelangen bzw. gesteckt werden. Die Folge könnte ein Brand oder Stromschlag sein.

Leuchtstoffröhre

- Die in diesem Gerät enthaltenen Leuchtstoffröhren haben eine beschränkte Lebensdauer.
  * Wenn der Bildschirm dunkler wird, zu flackern beginnt oder sich nicht einschalten lässt, müssen diese Leuchtstoffröhren ausgetauscht werden.
  * Nähere Informationen erhalten Sie von Ihrem Gerätehändler.
- Aufgrund der Eigenschaften der Leuchtstoffröhren kann der Bildschirm während der ersten Zeit flackern. Wenn dies der Fall ist, schalten Sie bitte die Stromversorgung des Monitors aus und wieder ein.

So greifen Sie auf die PDF-Bedienungsanleitung zu

Die beiliegende CD-ROM enthält Bedienungsanleitung im PDF-Format in mehreren Sprachen. Um auf diese Handbücher zuzugreifen, muss auf Ihrem Computer Adobe® Reader® installiert sein (Windows® oder Macintosh®).

Sie können sich den Adobe® Reader® aus dem Internet (http://www.adobe.com) herunterladen.

■ Zugriff auf die PDF-Bedienungsanleitungen

Für Windows®:

1 Legen Sie die CD in das CD-ROM-Laufwerk ein.
2 Doppelklicken Sie auf „Arbeitsplatz“.
3 Doppelklicken Sie auf das CD-ROM-Laufwerk.
4 **Wenn Sie sich die Bedienungsanleitung anzeigen lassen möchten**
1) Doppelklicken Sie auf das Verzeichnis „MANUALS“ und doppelklicken Sie darin auf das Verzeichnis „M520_460“.
2) Doppelklicken Sie auf die gewünschte Anzeigesprache (d. h. auf das entsprechende Verzeichnis).
3) Doppelklicken Sie auf die PDF-Datei, um auf die Bedienungsanleitung zuzugreifen.

Wenn Sie sich die EINRICHTUNGSANLEITUNG anzeigen lassen möchten
1) Doppelklicken Sie auf das Verzeichnis „SETUP“ und doppelklicken Sie darin auf das Verzeichnis „M520_460“.
2) Doppelklicken Sie auf die gewünschte Anzeigesprache (d. h. auf das entsprechende Verzeichnis).
3) Doppelklicken Sie auf die PDF-Datei, um auf die EINRICHTUNGSANLEITUNG zuzugreifen.

Für Macintosh®:

1 Legen Sie die CD in das CD-ROM-Laufwerk ein.
2 Doppelklicken Sie auf das CD-ROM-Laufwerk.
3 **Wenn Sie sich die Bedienungsanleitung anzeigen lassen möchten**
1) Doppelklicken Sie auf das Verzeichnis „MANUALS“ und doppelklicken Sie darin auf das Verzeichnis „M520_460“.
2) Doppelklicken Sie auf die gewünschte Anzeigesprache (d. h. auf das entsprechende Verzeichnis).
3) Doppelklicken Sie auf die PDF-Datei, um auf die Bedienungsanleitung zuzugreifen.

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1) Doppelklicken Sie auf das Verzeichnis „SETUP“ und doppelklicken Sie darin auf das Verzeichnis „M520_460“.
2) Doppelklicken Sie auf die gewünschte Anzeigesprache (d. h. auf das entsprechende Verzeichnis).
3) Doppelklicken Sie auf die PDF-Datei, um auf die EINRICHTUNGSANLEITUNG zuzugreifen.

Hinweis

- Wenn sich die gewünschte PDF-Datei nicht durch Doppelklicken mit der Maus öffnen lässt, starten Sie zuerst den Adobe® Reader® und wählen Sie die gewünschte Datei dann über das Menü Datei > Öffnen aus.

EINRICHTUNGSANLEITUNG

Details entnehmen Sie bitte der „EINRICHTUNGSANLEITUNG“, die sich auf der mitgelieferten CD-ROM befindet.

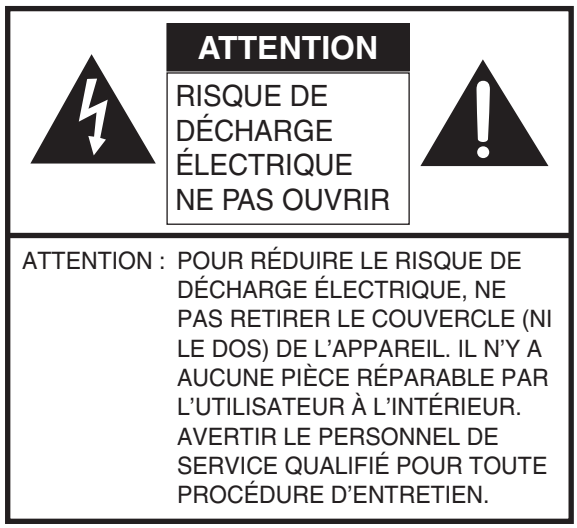
RS-232C Technische Daten und Befehlseinstellungen.....2
Einstellung des Monitornetzwerk-Umfeldes 10
Steuerung des Monitors via LAN.....16
Einstellung des Monitors für die Verwendung von RS-232C oder Telenet 21
Mehrfachbildschirm 31
Fehlersuche.....39

CHER CLIENT SHARP Français

Nous vous remercions pour votre achat de ce moniteur LCD SHARP. Pour en assurer la sécurité et le bon fonctionnement pendant de longues années, veuillez lire attentivement les «INFORMATIONS IMPORTANTES» et «CONSIGNES DE SÉCURITÉ IMPORTANTES» avant toute utilisation.

INFORMATIONS IMPORTANTES

AVERTISSEMENT : POUR RÉDUIRE LE RISQUE D'INCENDIE OU DE DÉCHARGE ÉLECTRIQUE, NE PAS EXPOSER CE PRODUIT À LA PLUIE OU À LA POUSSIÈRE.


ATTENTION
RISQUE DE DÉCHARGE ÉLECTRIQUE NE PAS OUVRIR
ATTENTION : POUR RÉDUIRE LE RISQUE DE DÉCHARGE ÉLECTRIQUE, NE PAS RETIRER LE COUVERCLE (NI LE DOS) DE L'APPAREIL. IL N'Y A AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR À L'INTÉRIEUR. AVERTIR LE PERSONNEL DE SERVICE QUALIFIÉ POUR TOUTE PROCÉDURE D'ENTRETIEN.

Le symbôle représenté par l'éclair à la tête en pointe de flèche à l'intérieur d'un triangle équilatéral, est placé pour alerter l'utilisateur de la présence d'une «tension dangereuse» non isolée à l'intérieur du produit. Cette tension peut avoir une valeur suffisante pour constituer un risque d'électrocution à toute personne.

Le point d'exclamation à l'intérieur d'un triangle est placé pour alerter l'utilisateur de la présence d'une procédure particulière ou d'une procédure de maintenance (entretien) importante dans les manuels accompagnant le produit.

AVERTISSEMENT : Ce produit appartient à la Classe A. Dans un environnement résidentiel, il peut provoquer des interférences radio et, dans ce cas, l'utilisateur peut être obligé de prendre les mesures nécessaires.

AVERTISSEMENT : Les règles de la FCC stipulent que tout changement ou modification apporté(e) à cet appareil sans l'autorisation expresse du fabricant peut entraîner la révocation du droit de l'utilisateur d'utiliser cet appareil.

ETATS-UNIS UNIQUEMENT

ATTENTION : Cet appareil est conforme aux règlements FCC lorsque des câbles et connecteurs blindés sont utilisés pour le brancher sur un autre appareil. Pour éviter les interférences électromagnétiques avec les appareils électriques comme les appareils vidéos, utilisez des câbles et connecteurs blindés pour les connexions. ETATS-UNIS UNIQUEMENT

INFORMATIONS IMPORTANTES

INFORMATION :
Cet appareil a été testé et trouvé conforme aux limites des appareils numériques de classe B, conformément à l'article 15 du règlement FCC. Ces limites sont conçues pour offrir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet appareil génère, utilise et peut émettre de l'énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, peut provoquer des interférences nuisibles aux communications radio. Cependant, il n'y a aucune garantie que de telles interférences ne se produisent pas pour une installation particulière. Si cet appareil provoque des interférences nuisibles à la réception radio ou télévisée, ce qui peut être déterminé en mettant l'appareil hors et sous tension, vous êtes encouragé à essayer de corriger ces interférences à l'aide de l'une ou de plusieurs des mesures suivantes :
– Réorientez ou déplacez l'antenne réceptrice.
– Augmentez l'espace entre l'appareil et le récepteur.
– Connectez l'appareil sur une prise secteur appartenant à un circuit différent de celui sur lequel le récepteur est connecté.
– Consultez votre revendeur ou un technicien radio/télévisé. ETATS-UNIS UNIQUEMENT

DÉCLARATION DE CONFORMITÉ :
SHARP MONITEUR LCD, MODÈLE TL-M5200/TL-M4600
Cet appareil est conforme à la partie 15 des règlements FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) l'appareil ne provoquera pas d'interférences nuisibles, et (2) il doit accepter les interférences reçues, y compris celles pouvant provoquer un fonctionnement indésiré.
PARTIE RESPONSABLE :
SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163
TEL : 1-800-BE-SHARP
Pour la clientèle commerciale : URL http://www.sharpusa.com ETATS-UNIS UNIQUEMENT

Cet appareil comprend des soudures d'étain-plomb, ainsi qu'une lampe fluorescente contenant une petite quantité de mercure. Il se peut que la mise au rebut de ces matériaux soit soumise à des réglementations environnementales. Pour obtenir plus de détails sur la mise au rebut ou le recyclage, veuillez contacter les autorités locales concernées ou Electronic Industries Alliance : www.eiae.org, l'organisme de recyclage des lampes : www.lamprecycle.org ou Sharp au 1-800-BE-SHARP ETATS-UNIS UNIQUEMENT

Représentant autorisé responsable du marché de l'Union Européenne.

Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg U.E. UNIQUEMENT

CONSIGNES DE SÉCURITÉ IMPORTANTES

L'électricité remplit de nombreuses fonctions utiles, mais si on l'utilise mal, elle peut occasionner des blessures et des dégâts matériels. Bien que la conception et la fabrication de ce produit aient été axées sur la sécurité, une mauvaise utilisation de l'appareil peut faire courir un risque d'électrocution et/ou d'incendie. Pour ne pas vous exposer à de tels dangers, respectez les consignes suivantes lorsque vous installez, utilisez ou nettoyez le produit. Par mesure de sécurité et pour prolonger la durée de service de votre moniteur LCD, veuillez lire les précautions suivantes avant de l'utiliser :

1) Lisez ces instructions.
2) Conservez ces instructions.
3) Respectez les mises en garde.
4) Suivez toutes les instructions.
5) N'utilisez pas cet appareil à proximité de l'eau.
6) Nettoyez uniquement avec un chiffon sec.
7) Ne bloquez pas les ouvertures de ventilation. Installez l'appareil en respectant les instructions du fabricant.
8) N'installez pas l'appareil à proximité de sources de chaleur comme des radiateurs, des chauffages, des cuisinières ou d'autres appareils (y compris les amplificateurs) produisant de la chaleur.
9) Ne passez pas outre la caractéristique de sécurité de la fiche polarisée ou avec mise à la terre. Une fiche polarisée comprend deux lames dont une plus large que l'autre. Une fiche avec mise à la terre comprend deux lames et une troisième broche de terre. La lame la plus large ou la troisième broche est une mesure de sécurité. Si la fiche fournie ne rentre pas dans votre prise secteur, consultez un électricien pour remplacer la prise obsolète.
10) Assurez-vous que le cordon secteur ne puisse être piétiné ou pincé tout particulièrement au niveau des fiches, des prises de courant et aux points où il sort de l'appareil.
11) N'utilisez que des accessoires/fixations recommandés par le fabricant.
12) Placez l'appareil uniquement sur un chariot, un socle, un trépied, un support ou une table recommandé par le fabricant ou vendu avec l'appareil. Si vous utilisez un chariot, manoeuvrez avec précaution l'ensemble chariot/appareil afin d'empêcher toute blessure suite à un renversement.

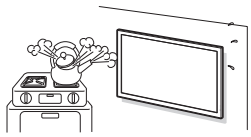
13) Débranchez cet appareil pendant un orage ou lorsqu'il doit rester longtemps inutilisé.
14) Faites appel à un technicien qualifié pour tout dépannage. Un dépannage est requis lorsque l'appareil a été endommagé d'une façon ou d'une autre, comme lorsque le cordon secteur ou la fiche est endommagé, du liquide a été renversé sur l'appareil ou des objets sont tombés dans l'appareil, l'appareil a été exposé à la pluie ou à l'humidité, l'appareil ne fonctionne pas normalement ou l'appareil est tombé.

Informations de sécurité supplémentaires

15) Alimentation électrique — Cet appareil ne doit être utilisé qu'avec l'alimentation spécifiée sur l'étiquette signalétique. En cas de doute sur le type de courant de votre domicile, consultez votre revendeur ou la compagnie d'électricité locale. Pour les appareils fonctionnant sur batteries ou sur tout autre type d'alimentation, consultez le mode d'emploi.
16) Surcharge électrique — Ne dépassez pas la capacité électrique des prises murales, des rallonges ou des prises de courant intégrales, ceci risque de provoquer un incendie ou une électrocution.
17) Pénétration d'objets et de liquides — N'introduisez jamais d'objets par les orifices de cet appareil. Ils pourraient toucher des points sous tension et court-circuiter des pièces et provoquer ainsi un incendie ou une électrocution. Veillez également à ne jamais renverser de liquide dans l'appareil.
18) Dommages nécessitant une réparation — Dans les situations ci-dessous, débranchez l'appareil de la prise murale et faites appel à un technicien qualifié pour les réparations :
    a) si le cordon d'alimentation ou la fiche est endommagée ;
    b) si du liquide a été renversé sur l'appareil ou si des objets sont tombés à l'intérieur ;
    c) si l'appareil a été exposé à la pluie ou à l'eau ;
    d) si l'appareil ne fonctionne pas normalement en suivant le mode d'emploi. Ne touchez qu'aux commandes indiquées dans le mode d'emploi. Un réglage incorrect d'autres commandes peut causer des dommages qui demanderont par la suite un travail intensif à un technicien qualifié.
    e) si l'appareil est tombé ou a été endommagé ;
    f) Si l'appareil présente des changements visibles de performances – Ceci indique la nécessité d'une inspection d'entretien.
19) Pièces de rechange — Si des pièces sont à remplacer, assurez-vous que le technicien utilise bien les pièces de rechange prescrites par le fabricant ou ayant les mêmes caractéristiques que les pièces d'origine. L'utilisation de pièces non autorisées peut occasionner un incendie, une électrocution et d'autres dangers.
20) Vérification de sécurité — Après un travail d'entretien ou de réparation, demandez au technicien d'effectuer les vérifications de sécurité nécessaires pour s'assurer que l'appareil est en bon état de fonctionnement.
21) Montage au mur—Si vous montez l'appareil au mur, observez la procédure d'installation recommandée par le fabricant.
22) Le panneau de l'écran à cristaux liquides (LCD) de cet appareil est fabriqué en verre et, par conséquent, il peut se briser si l'appareil tombe ou s'il reçoit un fort impact. Veillez à ne pas vous blesser par les éclats de verre si le panneau LCD venait à être brisé.

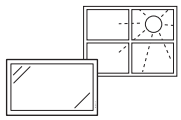
CONSIGNES DE SÉCURITÉ IMPORTANTES

- Eau et humidité — N'utilisez pas l'appareil à proximité de l'eau, près d'une baignoire, d'un lavabo, d'un évier, d'une machine à laver, par exemple, ni dans un sous-sol humide ou à proximité d'une piscine.



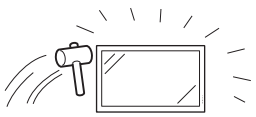
- Support — Ne placez pas l'appareil sur un chariot, un support, un trépied ou une table instable. S'il est sur une base instable, l'appareil peut tomber et provoquer des blessures corporelles graves ou être endommagé. Utilisez un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec l'appareil. Faites attention que le moniteur ne reçoive pas de chocs violents ni de fortes vibrations. Pour monter l'appareil sur un mur, suivez les instructions du fabricant. N'utilisez que du matériel recommandé par ce dernier.

- Sélection de l'emplacement — Sélectionnez un emplacement bien aéré et éloigné de la lumière directe du soleil.

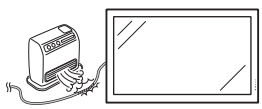


- Ventilation — Les évents et autres ouvertures du coffret sont destinés à la ventilation. Ne les recouvrez pas et ne les bloquez pas car une ventilation insuffisante risque de provoquer une surchauffe et/ou de réduire la durée de vie de l'appareil. Ne placez pas l'appareil sur un lit, un sofa, un tapis ou une autre surface similaire risquant de bloquer les ouvertures de ventilation.
  Ce produit n'est pas conçu pour être encastré ; ne le placez pas dans des endroits clos comme une bibliothèque ou une étagère, sauf si une ventilation adéquate est prévue ou si les instructions du fabricant sont respectées.

- Le panneau à cristaux liquides de cet appareil est en verre. Il peut donc se briser s'il tombe ou s'il subit un choc. Veillez à ne pas vous blesser avec des morceaux de verre si le panneau à cristaux liquides venait à se briser.



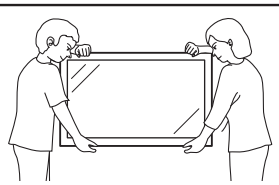
- Sources de chaleur — Éloignez l'appareil des sources de chaleur comme les radiateurs, les chauffages et les autres appareils produisant de la chaleur (y compris les amplificateurs).



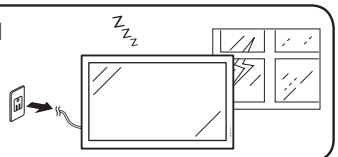
- Le panneau à cristaux liquides est un appareil de très haute technologie à 2.073.600 pixels qui vous offre une très grande finesse de détails.
  Un petit nombre de pixels non actifs peuvent occasionnellement apparaître à l'écran sous forme de point fixe bleu, vert ou rouge. De même, si on regarde l'écran avec un angle aigu par rapport à la surface de l'écran, les couleurs et la luminosité peuvent paraître inégales. Notez que cela n'affecte en rien les performances de l'appareil.

Précautions lors du transport du moniteur

- Veillez à toujours le transporter à deux, en le tenant à deux mains — une main de chaque côté du moniteur.
- Ne tenez pas le moniteur par les haut-parleurs détachables en option lorsque vous le transportez.

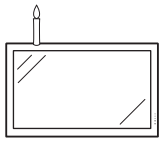


- Foudre — Pour mieux protéger ce moniteur pendant un orage ou lorsqu'il doit rester longtemps sans surveillance et inutilisé, débranchez-le de la prise murale. Ceci l'empêchera d'être endommagé par la foudre ou les surtensions de la ligne électrique.

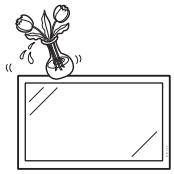


CONSIGNES DE SÉCURITÉ IMPORTANTES

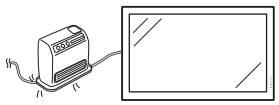
- Ne placez pas de bougies ni de flammes nues sur le moniteur ou à sa proximité, afin d'éviter les incendies.



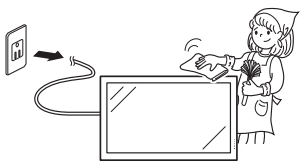
- Pour éviter les incendies ou les électrocutions, veillez à ne pas éclabousser ni faire tomber de l'eau sur cet appareil. Ne placez jamais d'objets remplis de liquide, comme des vases, sur l'appareil.



- Afin d'empêcher tout incendie ou électrocution, ne placez pas le cordon d'alimentation sous l'ensemble du moniteur ou autres objets volumineux.



- Mettez l'alimentation hors tension et débranchez le cordon d'alimentation de la prise murale avant la manipulation.
- Utilisez un chiffon doux et essuyez délicatement la surface du panneau d'affichage. L'utilisation d'un chiffon rêche risque de rayer la surface du panneau.
- Utilisez un chiffon doux et mouillé pour essuyer délicatement le panneau s'il est vraiment sale. (Frotter fort risque de rayer la surface du panneau.)
- Si le panneau est poussiéreux, utilisez une brosse antistatique, en vente dans le commerce, pour le nettoyer.



- Pour préserver le panneau, n'utilisez pas de chiffon sale, de détergents liquides ou de chiffons abrasifs pour le nettoyer, car de tels matériaux risqueraient d'endommager sa surface.
- Pour nettoyer le coffret extérieur, utilisez la même méthode. N'utilisez pas de produits nettoyant liquides ou en aérosols.

- N'affichez pas une image fixe pendant une période prolongée, sous peine de laisser un traînage à l'écran.

- Ne frottez pas, ne grattez pas le moniteur avec un objet dur.
- Il faut savoir que la SHARP CORPORATION décline toute responsabilité en cas d'erreurs commises durant l'utilisation par le client ou par une tierce personne, ainsi qu'en cas de dysfonctionnement ou de dommage survenu à ce produit pendant son utilisation, excepté dans le cas de responsabilité reconnue par la loi.
- Ce moniteur et ses accessoires sont susceptibles d'évoluer sans avis préalable.
- N'utilisez pas le moniteur dans un endroit où il y a beaucoup de poussières, où le degré d'humidité est élevé, ou encore là où il pourrait se trouver en contact avec de l'huile ou de la vapeur, car cela pourrait provoquer un début d'incendie.
- Assurez vous qu'aucun objet tel que des agrafes et des trombones ne pénètre dans le moniteur, car cela pourrait provoquer un début d'incendie ou un choc électrique.

Lampes fluorescentes

- Les lampes fluorescentes qui équipent ce produit ont une durée de vie limitée.
  * Si l'écran s'obscurcit, clignote ou ne s'allume pas, remplacez les lampes fluorescentes par des lampes neuves.
  * Pour plus de précision, contactez votre revendeur Sharp.

- En raison des caractéristiques propres aux lampes fluorescentes, il est possible que l'écran clignote les premiers temps de son utilisation. Si cela se produit, mettez hors tension l'alimentation du moniteur, puis remettez le sous tension pour assurer sa mise en fonction.

Comment accéder aux modes d'emploi au format PDF

Le CD-ROM contient les modes d'emploi au format PDF, en différentes langues. Pour pouvoir utiliser ces documents, le logiciel Adobe® Reader® doit être installé sur votre ordinateur (Windows® ou Macintosh®).

Vous pouvez télécharger Adobe® Reader® sur le site http://www.adobe.com/fr.

■ Pour accéder aux modes d'emploi PDF

Sous Windows® :

1 Insérez le CD-ROM dans le lecteur de CD-ROM.
2 Double-cliquez sur l'icône «Poste de travail».
3 Double-cliquez sur le lecteur de CD-ROM.
4 **Pour ouvrir le mode d'emploi :**
1) Double-cliquez sur MANUALS, puis sur le dossier M520_460.
2) Double-cliquez sur le dossier de la langue désirée.
3) Double-cliquez sur le fichier PDF pour ouvrir le mode d'emploi.

Pour ouvrir le MANUEL DE CONFIGURATION :
1) Double-cliquez sur SETUP, puis sur le dossier M520_460.
2) Double-cliquez sur le dossier de la langue désirée.
3) Double-cliquez sur le fichier PDF pour ouvrir le MANUEL DE CONFIGURATION.

Sous Macintosh® :

1 Insérez le CD-ROM dans le lecteur de CD-ROM.
2 Double-cliquez sur l'icône CD-ROM.
3 **Pour ouvrir le mode d'emploi :**
1) Double-cliquez sur MANUALS, puis sur le dossier M520_460.
2) Double-cliquez sur le dossier de la langue désirée.
3) Double-cliquez sur le fichier PDF pour ouvrir le mode d'emploi.

Pour ouvrir le MANUEL DE CONFIGURATION :
1) Double-cliquez sur SETUP, puis sur le dossier M520_460.
2) Double-cliquez sur le dossier de la langue désirée.
3) Double-cliquez sur le fichier PDF pour ouvrir le MANUEL DE CONFIGURATION.

Remarque

- S'il s'avère impossible d'ouvrir le fichier PDF souhaité en double-cliquant dessus, commencez par lancer Adobe® Reader®, puis spécifiez le fichier en question à l'aide de la commande Fichier > Ouvrir.

MANUEL DE CONFIGURATION

Consultez le «MANUEL DE CONFIGURATION» présent sur le CD-ROM fourni pour plus de détails.

Spécifications et réglages des commandes RS-232C 2
Configuration de l'environnement du réseau du moniteur 10
Commande du moniteur par un réseau LAN 16
Configuration du moniteur lorsque RS-232C ou Telnet est utilisé 21
Écrans multiples 31
Résolution des problèmes 39

VALABLE UNIQUEMENT AU CANADA

GARANTIE LIMITÉE DE L'UTILISATEUR FINAL – APPLICATION COMMERCIALE

SHARP ÉLECTRONIQUE DU CANADA LIMITÉE garantit à L'ACHETEUR initial de ce produit d'utilisation commerciale Sharp (le « produit ») que, s'il est emballé dans son contenant original, le produit est exempt de défectuosités imputables aux pièces d'origine et à la main d'œuvre. Sharp s'engage, selon son choix, à réparer la défectuosité ou à remplacer le produit défectueux ou la pièce correspondante par un équivalent neuf ou remis à neuf, sans frais de pièces ou de main-d'œuvre à L'ACHETEUR, pour la ou les périodes indiquées ci-dessous.

La présente garantie ne s'applique pas aux composantes esthétiques du produit ni aux articles consommables et ne couvre pas le produit dont le numéro de série ou le numéro de modèle qui y est apposé a été effacé, maquillé, modifié, altéré ou falsifié. Elle ne couvre pas non plus les problèmes liés à l'installation ni à la réception des signaux.

Afin de bénéficier des droits applicables en vertu de la présente garantie limitée, L'ACHETEUR doit respecter les étapes décrites ci-dessous. Il doit, de plus, fournir la preuve d'achat du produit à l'établissement où l'on en fera la réparation. Ce document indiquera la date d'achat du produit.

Dans la mesure où la loi provinciale en vigueur le permet, le présent énoncé de garantie s'applique en lieu et place de toute autre garantie, expresse ou implicite. Spécifiquement, TOUTE GARANTIE AUTRE QUE CELLE QUI EST PRÉVUE DANS L'ÉNONCÉ DE GARANTIE LIMITÉE EST EXCLUE. TOUTE GARANTIE EXPRESSE ET IMPLICITE, Y COMPRIS LES GARANTIES RELATIVES À LA QUALITÉ MARCHANDE, L'ADAPTATION À L'USAGE ET L'ADAPTATION À UN USAGE PARTICULIER, SONT EXPRESSÉMENT EXLUES. SI, EN VERTU DE LA LOI PROVINCIALE EN VIGUEUR, LA GARANTIE IMPLICITE N'EST PAS RÉFUTÉE OU EXCLUE, LA DURÉE DE LA GARANTIE IMPLICITE EST LIMITÉE À PARTIR DE LA DATE D'ACHAT INDIQUÉE CI-DESSOUS.

La présente garantie constitue la seule et unique garantie accordée par Sharp et la seule et unique voie de recours mise à la disposition de L'ACHETEUR, et elle n'est valable que durant les délais prescrits aux présentes. La correction des défauts, de la façon et selon la période déterminées par la présente, constitue l'exécution complète de toutes les responsabilités de Sharp envers L'ACHETEUR eu égard au produit, et constitue le règlement complet de toutes les réclamations, qu'il s'agisse de responsabilité stricte, de nature contractuelle, pour négligence ou de toute autre nature. Sharp n'offre aucune garantie et n'est aucunement responsable des dommages ou défauts d'un produit qui a fait l'objet d'un usage abusif (y compris, mais sans en être limité, l'application d'une tension inadéquate), d'un accident, d'une utilisation non appropriée, d'une négligence, d'un défaut de diligence raisonnable, d'une altération, d'une modification, d'une falsification, d'un fonctionnement ou d'un entretien inadéquats ou si le produit a subi des dommages ou est défectueux par suite de réparations ou de tentatives de réparations effectuées par une personne autre qu'un technicien d'un centre agréé de service Sharp. Sharp ne peut en aucun cas être tenu responsable de tout dommage indirect ou consécutif, financier ou matériel. Étant donné que certaines provinces ne permettent aucune limite sur les garanties ou sur les défauts d'exécution de certaines transactions, il se peut que les présentes limites ne s'appliquent pas dans ces provinces.

CETTE GARANTIE LIMITÉE EST VALIDE UNIQUEMENT AU CANADA.

Section concernant le modèle (service sur place)

Numéro de modèle et description de votre produit :	TL-M5200/TL-M4600 Moniteur LCD
Période de garantie du produit :	Trois (3) ans, pièces et main-d'œuvre, à partir de la date d'achat.
Autres exclusions :	Pour avoir droit à la réparation du produit, celui-ci doit être prêt à être réparé, exempt de tout montage, installation ou autre procédure qui en retarderait le processus de réparation. La main-d'œuvre et le matériel requis pour retirer et réinstaller un écran dans un système complexe comprenant, mais sans en être limité, les écrans installés dans des boîtiers spéciaux et les écrans reliés à un système de commande et d'automation d'un autre fournisseur. La garantie limitée ne couvre pas la persistance d'une image qui se produit à la suite de l'affichage d'une image fixe pendant de longues périodes (pour éviter ce problème, consultez le Manuel des opérations).
Pour faire réparer votre produit :	Communiquez avec le centre agréé de service Sharp le plus près pour bénéficier d'un service sur place. Le technicien se rendra à vos bureaux et, au besoin, ramènera l'appareil à son atelier pour en faire la réparation ou le remplacement. Veuillez avoir en main votre **preuve d'achat**.

ESTIMADO CLIENTE DE SHARP Español

Gracias por haber adquirido este Monitor LCD SHARP. Para garantizar su seguridad y muchos años de uso sin problemas de su producto, por favor lea cuidadosamente la “INFORMACIÓN IMPORTANTE” y las “INSTRUCCIONES DE SEGURIDAD IMPORTANTES” antes de usar este producto.

INFORMACIÓN IMPORTANTE

ADVERTENCIA: PARA REDUCIR EL RIESGO DE INCENDIO O DESCARGAS ELÉCTRICAS, NO EXPONGA ESTE PRODUCTO A LA LLUVIA NI A LA HUMEDAD.

PRECAUCIÓN

RIESGO DE DESCARGAS ELÉCTRICAS NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL RIESGO DE DESCARGAS ELÉCTRICAS, NO RETIRE LA TAPA (O ATRÁS). EN EL INTERIOR NO HAY PIEZAS QUE EL USUARIO PUEDA REPARAR. SOLICITE CUALQUIER REPARACIÓN A UN TÉCNICO DE SERVICIO CALIFICADO.

El símbolo del rayo con cabeza de flecha dentro de un triángulo equilátero está concebido para avisar al usuario de la presencia de “tensión peligrosa” sin aislamiento en el interior del producto que podría ser de magnitud suficiente para constituir un riesgo de descargas eléctricas a las personas.

El símbolo de exclamación dentro de un triángulo está concebido para avisar al usuario de la presencia de instrucciones importantes de uso y mantenimiento (servicio) en la documentación que acompaña al producto.

ADVERTENCIA: Éste es un producto Clase A. En un entorno doméstico, este producto puede causar interferencias, en cuyo caso, el usuario deberá tomar las medidas adecuadas.

ADVERTENCIA: Las regulaciones de la FCC señalan que cualquier cambio o modificación no autorizado en este equipo, los cuales no hayan sido expresamente aprobados por el fabricante, podría anular la autorización del usuario para utilizar este equipo.

EE.UU. SOLAMENTE

PRECAUCIÓN: Este producto satisface los reglamentos de la FCC cuando se utilizan conectores y cables blindados para conectar la unidad a otro equipo. Para evitar interferencias electromagnéticas con aparatos eléctricos tales como equipos de vídeo, utilice cables y conectores blindados para hacer las conexiones. EE.UU. SOLAMENTE

INFORMACIÓN IMPORTANTE

INFORMACIÓN:
Este equipo ha sido probado y ha demostrado cumplir con los límites establecidos para los aparatos digitales de la Clase B, de conformidad con el Apartado 15 de las Normas de la FCC. Estos límites han sido designados para proporcionar una protección razonable contra la interferencia perjudicial en una instalación residencial. Este equipo genera, utiliza y puede radiar energía radioeléctrica, y, si no se instala y utiliza de acuerdo con las instrucciones, puede causar una interferencia perjudicial en las comunicaciones por radio. Sin embargo, no hay ninguna garantía de que no se produzcan interferencias en una instalación particular. Si este equipo causa interferencias perjudiciales en las recepciones de radio o televisión, lo que puede determinarse fácilmente apagando y encendiendo el equipo, al usuario se le recomienda corregir la interferencia tomando una o más de las medidas siguientes:
– Cambie la orientación o el lugar de instalación de la antena receptora.
– Aumente la separación entre el equipo y el receptor.
– Conecte el equipo a una toma de corriente de un circuito diferente del aquel al que está conectado el receptor.
– Consulte al concesionario o técnico de radio/TV cualificado para solicitar su ayuda.

EE.UU. SOLAMENTE

DECLARACIÓN DE CONFORMIDAD:
SHARP MONITOR LCD, MODELO TL-M5200/TL-M4600
Este dispositivo cumple con el Apartado 15 de las Normas FCC. Su funcionamiento está sujeto a las dos condiciones siguientes: (1) Este dispositivo no deberá causar interferencias perjudiciales, y (2) deberá aceptar cualquier interferencia que reciba, incluyendo interferencias que puedan causar un funcionamiento no deseado.
PARTE RESPONSABLE:
SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163
TEL: 1-800-BE-SHARP
Para clientes de negocios: URL http://www.sharpusa.com

EE.UU. SOLAMENTE

Este producto utiliza soldadura de plomo fina, y lámpara fluorescente que contiene una pequeña cantidad de mercurio. La eliminación de estos materiales podrá estar regulada debido a las consideraciones medioambientales. Para obtener información sobre la eliminación o reciclado, póngase en contacto con las autoridades de su localidad, la Electronic Industries Alliance: www.eiae.org, la organización para reciclado de bombillas: www.lamprecycle.org o Sharp en el 1-800-BE-SHARP

EE.UU. SOLAMENTE

Representante autorizado responsable para el mercado de la Comunidad de la Unión Europea

Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg

U.E. SOLAMENTE

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

La electricidad se usa para realizar muchas funciones útiles, pero también puede causar lesiones en personas y daños en la propiedad si se utiliza incorrectamente. Este producto ha sido diseñado y fabricado con la más alta prioridad en la seguridad. Sin embargo, su uso incorrecto puede provocar descargas eléctricas y/o incendios. Para evitar peligros potenciales, por favor tenga muy en cuenta las instrucciones siguientes al instalar, operar y limpiar el producto. Para garantizar su seguridad y prolongar la duración de su Monitor LCD, lea cuidadosamente las precauciones siguientes antes de utilizarlo.

1) Lea estas instrucciones.
2) Guarde estas instrucciones.
3) Preste atención a todas las advertencias.
4) Siga todas las instrucciones
5) No utilice este aparato cerca del agua.
6) Límpielo solamente con un paño seco.
7) No tape las aberturas de ventilación. Instale el aparato de acuerdo con las instrucciones del fabricante.
8) No instale el aparato cerca de ninguna fuente de calor como, por ejemplo, radiadores, salidas de aire caliente, estufas u otros aparatos (incluyendo amplificadores) que produzcan calor.
9) No anule la seguridad de la clavija polarizada ni la de la clavija con conexión a tierra. Una clavija polarizada tiene dos patillas, una más ancha que la otra. Una clavija con conexión a tierra tiene dos patillas y una espiga de conexión a tierra. La patilla ancha y la espiga se proporcionan para su seguridad. Si la clavija proporcionada no entra en su toma de corriente, consulte a un electricista para reemplazar la toma de corriente obsoleta.
10) Proteja el cable de alimentación para que nadie lo pise ni quede aplastado, especialmente en las clavijas, tomas de corriente y puntos por donde sale del aparato.
11) Utilice solamente los accesorios suministrados por el fabricante.
12) Utilice el aparato solamente con el carrito, soporte, trípode, ménsula o mesa especificado por el fabricante, o vendido con el propio aparato. Cuando utilice un carrito, tenga cuidado cuando mueva la combinación del carrito y el aparato para evitar que se caigan y se estropeen.

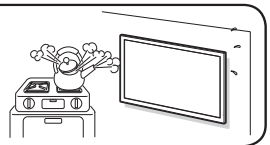
13) Desenchufe este aparato durante las tormentas eléctricas o cuando no lo utilice durante largos periodos de tiempo.
14) Solicite todos los trabajos de reparación al personal cualificado solamente. Las reparaciones serán necesarias cuando se haya dañado el aparato de cualquier forma: cuando se haya estropeado el cable o la clavija de alimentación, se hayan derramado líquidos o hayan caído objetos en el interior del aparato, cuando éste haya estado expuesto a la lluvia o a la humedad, cuando no funcione normalmente o cuando se haya caído.

Información de seguridad adicional

15) Fuentes de energía — Este producto deberá utilizarse solamente con el tipo de fuente de energía indicado en la etiqueta de especificaciones. Si no está seguro del tipo de suministro de energía de su casa, consulte a su distribuidor o a la compañía de electricidad de su localidad. Para los productos diseñados para funcionar con pilas u otra fuente de energía, consulte las instrucciones de operación.
16) Sobrecarga — No sobrecargue las tomas de corriente, los cables de prolongación o los receptáculos de conveniencia integrales porque se puede correr el riesgo de causar un incendio o recibir una descarga eléctrica.
17) Entrada de objetos y líquidos — No meta nunca objetos de ninguna clase en este producto a través de las aberturas porque pueden tocar puntos de alto voltaje peligrosos o cortocircuitar partes que podrían causar un incendio o una descarga eléctrica. No derrame nunca líquidos de ningún tipo sobre el producto.
18) Daños que necesitan ser reparados — Desenchufe este producto de la toma de corriente y solicite las reparaciones al personal de servicio cualificado cuando se den las condiciones siguientes:
    a) Cuando el cable de alimentación o el enchufe está dañado.
    b) Si se ha derramado algún líquido o han caído objetos en el interior del producto.
    c) Si el producto ha sido expuesto a la lluvia o al agua.
    d) Si el producto no funciona normalmente siguiendo las instrucciones de operación. Ajuste solamente aquellos controles descritos en las instrucciones de operación, ya que un ajuste incorrecto de otros controles podrá causar daños que a menudo requieren un arduo trabajo de ajuste por parte de un técnico cualificado para que el producto pueda volver a funcionar normalmente.
    e) Si el producto se ha caído o dañado de cualquier forma.
    f) Cuando el producto muestra un cambio notable en su rendimiento, lo que indica que necesita ser reparado.
19) Piezas de repuesto — Cuando se necesiten piezas de repuesto, asegúrese de que el técnico de servicio utilice las piezas de repuesto especificadas por el fabricante u otras cuyas características sean similares a las de las piezas originales. El uso de piezas no autorizadas puede causar incendios, descargas eléctricas u otros peligros.
20) Verificación de seguridad — Una vez completado cualquier trabajo de mantenimiento o reparación en este producto, pida al técnico de servicio que realice verificaciones de seguridad para determinar si el producto está en condiciones de funcionamiento apropiadas.
21) Montaje en la pared — Cuando monte el producto en la pared, asegúrese de instalarlo de acuerdo con el método recomendado por el fabricante.
22) El panel de LCD utilizado en este producto está hecho de cristal. Consiguientemente, podría romperse si el producto cae al suelo o recibe un golpe. Tenga cuidado de no herirse con los trozos de cristal en caso de rotura del panel de LCD.

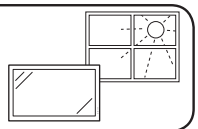
INSTRUCCIONES DE SEGURIDAD IMPORTANTES

- Agua y humedad — No utilice este producto cerca del agua como, - por ejemplo, una bañera, palangana, fregadero de cocina o lavadora; en un sótano húmedo; cerca de una piscina o un lugar similar.



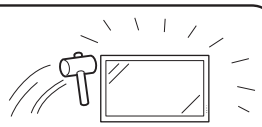
- Soporte — No coloque el producto en un carrito, soporte, trípode o mesa inestable. La colocación del producto en una base inestable puede ser la causa de que el producto se caiga, lo que podrá causar lesiones graves a personas y también daños al producto. Utilice un carrito, soporte, trípode, ménsula o mesa recomendado por el fabricante o vendido junto con el producto. No permita que el monitor reciba golpes fuertes ni que vibre demasiado. Cuando coloque el producto en una pared, asegúrese de seguir las instrucciones del fabricante. Utilice solamente el hardware de montaje recomendado por el fabricante.

- Selección de la ubicación — Seleccione un lugar donde no dé directamente la luz del sol y haya buena ventilación.

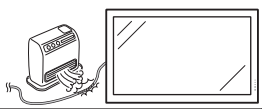


- Ventilación — Los orificios de ventilación y otras aberturas de la caja han sido diseñados para ventilar el producto. No cubra ni bloquee estos orifi cios de ventilación y aberturas porque la falta de ventilación puede causar recalentamiento y/o reducir la duración del producto. No coloque el producto en una cama, sofá, alfombra u otra superficie similar porque las aberturas de ventilación podrán quedar bloqueadas. Este producto no ha sido diseñado para ser empotrado; no lo coloque en un lugar cerrado como, por ejemplo, un mueble librería o estantería a menos que disponga de la ventilación apropiada o se sigan las instrucciones del fabricante.

- La pantalla de cristal líquido utilizada en este producto está hecha de cristal. Por lo tanto, podrá romperse si el producto se cae o recibe un impacto fuerte. En el caso de que se rompa la pantalla de cristal líquido, tenga cuidado para que no le hieran las piezas de cristal roto.



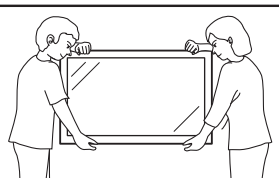
- Calor — El producto deberá colocarse alejado de las fuentes de calor como, por ejemplo, radiadores, salidas de aire caliente, estufas u otros productos (incluyendo amplificadores) que produzcan calor.



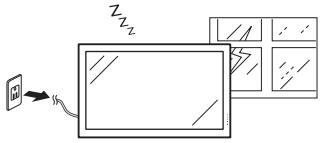
- La pantalla de cristal líquido es un producto de alta tecnología que tiene 2.073.600 píxeles, lo que le proporciona una imagen fina muy detallada.
  De vez en cuando puede que aparezcan algunos píxeles no activos en la pantalla a modo de puntos fijos de color azul, verde o rojo. Asimismo, si la pantalla se visualiza desde un ángulo importante, podrían percibirse colores o brillos irregulares. Tenga en cuenta que esto no afecta para nada al funcionamiento de su producto.

Precauciones al transportar el monitor

- El televisor deberá ser transportado siempre por dos personas que lo tomarán con ambas manos, una a cada lado del monitor.
- No agarre por los altavoces acoplados opcionales cuando traslade el monitor.

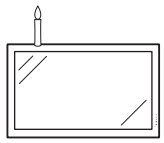


- Tormentas eléctricas — Para una mayor protección del monitor durante una tormenta de rayos, y cuando se deja descuidado y sin usar durante largos periodos de tiempo, desenchúfelo de la toma de corriente de la pared. Esto evitará daños al televisor debidos a rayos y subidas de tensión.

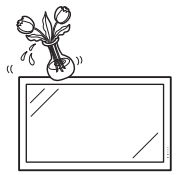


INSTRUCCIONES DE SEGURIDAD IMPORTANTES

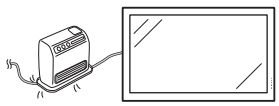
- Para impedir un incendio, no ponga nunca ningún tipo de vela o llama al descubierto encima o cerca del monitor.



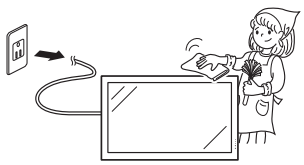
- Para impedir un incendio o una descarga eléctrica, no exponga este aparato al goteo ni a las salpicaduras. Tampoco deberán ponerse encima del producto objetos llenos de líquidos como, por ejemplo, floreros.



- Para impedir un incendio o una descarga eléctrica, no ponga el cable de alimentación debajo del monitor u otros objetos pesados.



- Apague el aparato y desconecte el cable de alimentación de la toma de corriente antes de manejarlo.
- Utilice un paño blando y páselo suavemente por la superfi cie de la pantalla. No utilice un paño duro porque podrá rayar la superfi cie de la pantalla.
- Cuando la pantalla esté muy sucia utilice un paño blando humedecido para limpiarla. (Tenga cuidado al pasar el paño porque si lo hace con fuerza puede dañar la pantalla.)
- Si la pantalla tiene polvo, pase un cepillo contra la electricidad estática, de venta en el comercio, para limpiarla.
- Para proteger la pantalla, no utilice un paño sucio, limpiadores químicos o un paño químico para limpiarla. Estos materiales pueden dañar la pantalla.
- Para limpiar la caja exterior, utilice el mismo método. No utilice productos de limpieza líquidos ni en aerosoles.



- No muestre una imagen fija durante mucho tiempo porque esto podrá ser la causa de que quede una imagen residual en la pantalla.

- No frote ni golpee nunca el monitor con objetos duros.
- Tenga en cuenta que SHARP CORPORATION no se responsabiliza por los errores cometidos durante el uso por parte del cliente o terceras personas ni por cualquier otro malfuncionamiento o daño en este producto que pudiera surgir durante la utilización, salvo cuando la responsabilidad de indemnización esté reconocida legalmente.
- Este monitor y sus accesorios podrían actualizarse sin previo aviso.
- No emplee el monitor en lugares con un nivel elevado de polvo o humedad ni donde éste pueda entrar en contacto con aceite o vapor, ya que esto podría provocar un incendio.
- Asegúrese de no introducir en el monitor objetos como pueden ser clips o chinchetas, ya que esto podría causar incendios o descargas eléctricas.

Tubos fluorescentes

- Los tubos fluorescentes de este producto tienen una vida útil limitada.
  * Si la pantalla se oscurece, parpadea o no se enciende, cambie los tubos fluorescentes por unos nuevos originales.
  * Para obtener más información, póngase en contacto con su distribuidor.
- Debido a las propiedades de los tubos fluorescentes, la pantalla podría parpadear durante el período de uso inicial. Si se da esta circunstancia, apague el monitor y enciéndalo de nuevo para confirmar el funcionamiento.

Cómo acceder a los manuales de manejo en formato PDF

En el CD-ROM se incluyen manuales de manejo en formato PDF en varios idiomas. Para utilizar estos manuales, deberá instalar Adobe® Reader® en su ordenador (Windows® o Macintosh®).

Descargue Adobe® Reader® de Internet (http://www.adobe.com).

■ Cómo acceder a los manuales en formato PDF

Para Windows®:

1 Inserte el CD-ROM en la unidad de CD-ROM.
2 Haga doble clic en el icono “Mi PC”.
3 Haga doble clic en la unidad de “CD-ROM”.
4 **Cuando desee ver el manual de manejo**
1) Haga doble clic en “MANUALS” (MANUALES) y en la carpeta “M520_460”.
2) Haga doble clic en el idioma (nombre de la carpeta) que desea visualizar.
3) Haga doble clic en el archivo PDF para acceder al manual de manejo.

Cuando desee ver la GUÍA DE CONFIGURACIÓN.
1) Haga doble clic en “SETUP” (INSTALACIÓN) y en la carpeta “M520_460”.
2) Haga doble clic en el idioma (nombre de la carpeta) que desea visualizar.
3) Haga doble clic en el archivo PDF para acceder a la GUÍA DE CONFIGURACIÓN.

Para Macintosh®:

1 Inserte el CD-ROM en la unidad de CD-ROM.
2 Haga doble clic en el icono del “CD-ROM”.
3 **Cuando desee ver el manual de manejo**
1) Haga doble clic en “MANUALS” (MANUALES) y en la carpeta “M520_460”.
2) Haga doble clic en el idioma (nombre de la carpeta) que desea visualizar.
3) Haga doble clic en el archivo PDF para acceder al manual de manejo.

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1) Haga doble clic en “SETUP” (INSTALACIÓN) y en la carpeta “M520_460”.
2) Haga doble clic en el idioma (nombre de la carpeta) que desea visualizar.
3) Haga doble clic en el archivo PDF para acceder a la GUÍA DE CONFIGURACIÓN.

Nota

- Si no pudiera abrirse el archivo PDF deseado haciendo doble clic con el ratón, inicie en primer lugar Adobe® Reader® y, a continuación, especifique el archivo deseado empleando el menú “Archivo”, “Abrir”.

GUÍA DE CONFIGURACIÓN

Consulte la “GUÍA DE CONFIGURACIÓN” del CD-ROM suministrado para obtener más información.

Configuraciones de comandos y especificaciones RS-232C 2
Ajustando el entorno de red del monitor 10
Controlando el monitor mediante una red LAN 16
Ajustando el monitor usando un terminal RS-232C o Telnet 21
Pantalla múltiple 31
Solución de problemas 39

GENTILE CLIENTE SHARP Italiano

Grazie per aver acquistato un monitor LCD SHARP. Per garantire la sicurezza e un utilizzo del prodotto duraturo e privo di problemi, leggere attentamente le sezioni “INFORMAZIONI IMPORTANTI” e “IMPORTANTI ISTRUZIONI DI SICUREZZA” prima di utilizzarlo.

INFORMAZIONI IMPORTANTI

AVVISO: PER RIDURRE IL RISCHIO DI INCENDI O DI SCOSSE ELETTRICHE, NON ESPORRE QUESTO PRODOTTO ALLA PIOGGIA O ALL’UMIDITÀ.

ATTENZIONE
RISCHIO DI FOLGORAZIONE NON APRIRE
ATTENZIONE: PER RIDURRE IL RISCHIO DI SCOSSE ELETTRICHE, NON RIMUOVERE IL COPERCHIO (O LA PARTE POSTERIORE). AD ECCEZIONE DELL’UNITÀ LAMPADA, NESSUN COMPONENTE PUÒ ESSERE SOTTOPOSTO ALL’ASSISTENZA TECNICA DA PARTE DELL’UTENTE. PER L’ASSISTENZA TECNICA, RIVOLGERSI A PERSONALE QUALIFICATO.

Il simbolo con il fulmine con la punta a freccia all’interno di un triangolo equilatero serve per avvertire l’utente della presenza di “tensione pericolosa” non isolata, all’interno dell’involucro del prodotto; essa risulterà essere di entità sufficiente a dare luogo a rischi di scosse elettriche per le persone.

Il simbolo con il punto esclamativo all’interno di un triangolo equilatero serve per avvertire l’utente della presenza di istruzioni di rilievo per il funzionamento e la manutenzione (l’assistenza tecnica) nella documentazione fornita unitamente al prodotto.

AVVISO: L’apparecchio è un prodotto di classe A. In ambiente domestico potrebbe causare interferenze radio per le quali potrebbe essere necessario adottare misure adeguate.

AVVISO: I regolamenti FCC stabiliscono che ogni modifica non autorizzata eseguita sul presente apparecchio e non espressamente approvata dal produttore potrebbe privare l’utente della facoltà di utilizzare l’apparecchio stesso. SOLO STATI UNITI

ATTENZIONE: Il presente apparecchio è conforme ai regolamenti FCC se viene collegato a un altro apparecchio con cavi e connettori schermati. Per evitare interferenze elettromagnetiche con apparecchi elettrici quali attrezzature video, eseguire i collegamenti usando cavi e connettori schermati. SOLO STATI UNITI

INFORMAZIONI IMPORTANTI

INFORMAZIONI:
I test eseguiti hanno dimostrato che il presente apparecchio rispetta i limiti per gli apparecchi digitali di classe B stabiliti dalla parte 15 dei regolamenti FCC. Tali limiti hanno lo scopo di fornire una ragionevole protezione da interferenze dannose in un ambiente domestico. L'apparecchio genera, usa e può irradiare energia a radiofrequenza e, se non installato o utilizzato secondo le istruzioni, può causare interferenze dannose alle comunicazioni radio. Tuttavia, non è possibile garantire che tutti gli apparecchi installati non producano tali interferenze. Se il presente apparecchio provoca disturbi alla ricezione radio o televisiva, cosa che è possibile determinare spegnendo e riaccendendo l'apparecchio, si consiglia di provare a eliminare l'interferenza adottando una o più delle seguenti misure:
– Riorientare o riposizionare l'antenna ricevente.
– Aumentare la distanza tra l'apparecchio e il ricevente.
– Collegare l'apparecchio a un attacco diverso da quello a cui è collegato il ricevente.
– Rivolgersi al proprio rivenditore o a un tecnico radio/TV esperto. SOLO STATI UNITI

DICHIARAZIONE DI CONFORMITÀ:
MONITOR LCD SHARP, MODELLO TL-M5200/TL-M4600
Il presente apparecchio è conforme alla parte 15 dei regolamenti FCC. L'utilizzo è soggetto alle due seguenti condizioni:
(1) L'apparecchio non può causare interferenze dannose e (2) l'apparecchio deve accettare qualsiasi interferenza ricevuta, comprese quelle che potrebbero causare un funzionamento indesiderato.
SOGGETTO RESPONSABILE:
SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163
TEL: 1-800-BE-SHARP
Per clienti business: URL http://www.sharpusa.com SOLO STATI UNITI

Questo apparecchio utilizza una lega saldante stagno-piombo e una lampada a fluorescenza contenente una piccola quantità di mercurio. Lo smaltimento di tali materiali potrebbe richiedere un trattamento specifico. Per informazioni su smaltimento o riciclo, contattare gli enti locali, la Electronic Industries Alliance: www.eiae.org, l'organizzazione per il riciclo delle lampade: www.lamprecycle.org o Sharp al numero 1-800-BE-SHARP SOLO STATI UNITI

Rappresentante autorizzato responsabile per il mercato comunitario dell'Unione Europea

Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg SOLO UE

IMPORTANTI ISTRUZIONI DI SICUREZZA

L'elettricità viene usata per svolgere molte funzioni utili, ma può anche causare danni personali o agli oggetti se applicata in modo improprio. Questo prodotto è stato progettato e realizzato con la massima attenzione alla sicurezza.
Tuttavia, un uso improprio può produrre scosse elettriche e/o incendi. Per evitare potenziali pericoli, osservare le seguenti istruzioni durante l'installazione, l'utilizzo e la pulizia del prodotto. Per garantire la sicurezza e prolungare la vita utile del monitor LCD, leggere attentamente le seguenti precauzioni prima di usare il prodotto.

1) Leggere queste istruzioni.
2) Conservare le istruzioni.
3) Tenere conto di tutti gli avvisi.
4) Seguire tutte le istruzioni.
5) Non usare l'apparecchio in prossimità di acqua.
6) Pulire solo con un panno asciutto.
7) Non ostruire le prese di ventilazione. Installare secondo le indicazioni del produttore.
8) Non installare vicino a fonti di calore quali radiatori, bocchette dell'aria calda, stufe o altri apparecchi (compresi gli amplificatori) che producono calore.
9) Non compromettere la sicurezza delle spine polarizzate o con messa a terra. Una spina polarizzata ha due terminali, di cui uno più grande dell'altro. Una spina con messa a terra ha tre terminali, di cui uno per la messa a terra. Il terminale più grande o il terzo terminale ha una funzione di sicurezza. Se la spina in dotazione non è adatta alla presa, far sostituire tale presa obsoleta da un elettricista.
10) Evitare di calpestare o di schiacciare il cavo di alimentazione, in particolare in corrispondenza di spine, prese della corrente e punto di uscita dall'apparecchio.
11) Usare solo accessori specificati dal produttore.
12) Usare solo con il supporto indicato dal produttore (carrello, piedistallo, cavalletto, staffa o tavolo) o venduto con l'apparecchio. Se si usa il carrello, fare attenzione durante il trasporto dell'apparecchio sul carrello per evitare danni causati dal ribaltamento.

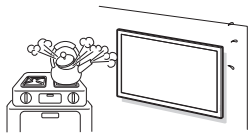
13) Scollegare l'apparecchio dalla presa di corrente durante i temporali o se inutilizzato per lunghi periodi di tempo.
14) Ricorrere a personale qualificato per qualsiasi intervento. Tali interventi sono necessari in caso di guasti dell'apparecchio quali danneggiamento del cavo di alimentazione o della spina, versamento di liquidi o caduta di oggetti nell'apparecchio, esposizione a pioggia o umidità o se l'apparecchio non funziona normalmente o è caduto.

Ulteriori informazioni di sicurezza

15) Alimentazione — Questo prodotto deve essere utilizzato solo con il tipo di alimentazione indicato nell'etichetta di contrassegno. In caso di dubbi sul tipo di alimentazione disponibile, consultare il venditore del prodotto o il proprio fornitore di elettricità. Per prodotti alimentati con batterie o con altre fonti, consultare le istruzioni di utilizzo.
16) Sovraccarico — Non sovraccaricare prese a muro, prolunghe o prese multiple per non incorrere nel rischio di incendi o scosse elettriche.
17) Oggetti o liquidi — Non introdurre mai oggetti di alcun tipo all'interno del prodotto attraverso le aperture per evitare di toccare punti con voltaggi pericolosi o causare cortocircuiti che potrebbero provocare incendi o scosse elettriche. Non versare mai sul prodotto alcun tipo di liquido.
18) Danni che richiedono interventi — Scollegare il prodotto dalla presa a muro e richiedere l'intervento di personale qualificato nelle seguenti condizioni:
    a) In caso di danno al cavo di alimentazione o alla presa.
    b) Se è stato versato del liquido nel prodotto o vi è caduto un oggetto.
    c) Se il prodotto è stato esposto a pioggia o acqua.
    d) Se il prodotto non funziona normalmente quando si eseguono le operazioni di utilizzo. Modificare solo i controlli illustrati dalle istruzioni di utilizzo poiché la modifica impropria di altri controlli può causare danni e spesso richiede un notevole lavoro da parte di un tecnico qualificato per ripristinare il normale funzionamento del prodotto.
    e) Se il prodotto è caduto o è stato danneggiato in qualche modo, e
    f) Se si verifica un netto cambiamento nelle prestazioni del prodotto: ciò indica la necessità di un intervento.
19) Pezzi di ricambio — Se sono necessari dei pezzi di ricambio, accertarsi che il personale tecnico utilizzi pezzi specificati dal produttore o che abbiano le stesse caratteristiche del pezzo originale. Sostituzioni non autorizzate potrebbero causare incendi, scosse elettriche o altri danni.
20) Controllo di sicurezza — Al termine di qualsiasi intervento o riparazione, chiedere al tecnico di eseguire i controlli di sicurezza per stabilire che il prodotto è in condizioni di corretto funzionamento.
21) Montaggio a parete — Se si monta il prodotto a una parete, accertarsi di eseguire l'operazione secondo le indicazioni consigliate dal produttore.
22) Il pannello LCD usato in questo prodotto è realizzato in vetro. Pertanto, si può rompere se il prodotto cade o viene sottoposto a impatti. Fare attenzione a non ferirsi con i cocci di vetro in caso di rottura del pannello LCD.

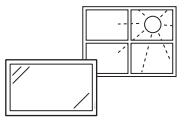
IMPORTANTI ISTRUZIONI DI SICUREZZA

- Acqua e umidità — Non usare questo prodotto in prossimità dell'acqua - ad esempio, vicino a vasche da bagno, lavandini, secchiai o tinozze della biancheria, in scantinati umidi o vicino a piscine, e simili.



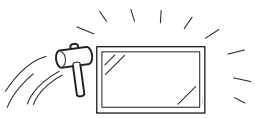
- Piedistallo — Non posizionare il prodotto su carrelli, piedistalli, cavalletti o tavoli instabili. Una base instabile potrebbe causare la caduta del prodotto, provocando seri danni alle persone nonché al prodotto stesso. Usare un supporto (carrello, piedistallo, cavalletto, staffa o tavolo) indicato dal produttore o venduto con il prodotto. Evitare di sottoporre il monitor a colpi o vibrazioni di forte intensità. Se si monta il prodotto a una parete, accertarsi di seguire le istruzioni del produttore. Usare solo l'attrezzatura di montaggio consigliata dal produttore.

- Scelta della posizione — Scegliere un punto non esposto alla luce solare diretta e con buona ventilazione.

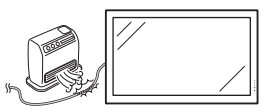


- Ventilazione — Le bocchette e le altre aperture nel telaio sono progettate per la ventilazione. Non ostruirle né bloccarle poiché una ventilazione insufficiente può causare surriscaldamento e/o riduzione della vita utile del prodotto. Non collocare il prodotto su letti, divani, tappeti o altre superfici simili in quando possono bloccare le aperture di ventilazione. Questo prodotto non è studiato per un'installazione a incasso; non posizionarlo in luoghi racchiusi quali librerie o scaffali, a meno che non vi sia un'adeguata ventilazione e vengano seguite le istruzioni del produttore.

- Il pannello a cristalli liquidi usato in questo prodotto è in vetro, pertanto si può rompere se il prodotto cade o viene sottoposto a impatti. Fare attenzione a non ferirsi con i cocci di vetro in caso di rottura del pannello.



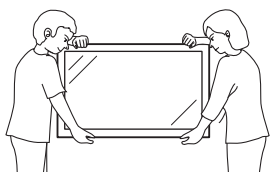
- Calore — Il prodotto deve essere posizionato lontano da fonti di calore quali radiatori, bocchette dell'aria calda, stufe o altri apparecchio (compresi gli amplificatori) che producono calore.



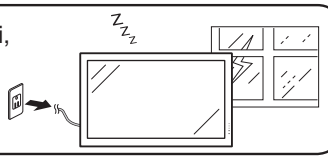
- Il pannello a cristalli liquidi è un prodotto a 2.073.600 pixel di altissima tecnologia, che offre immagini con un ottimo livello di dettagli.
  Saltuariamente, qualche pixel non attivo può apparire sullo schermo sotto forma di punto fisso color blu, verde o rosso.
  Inoltre, se si guarda lo schermo con una visuale ad angolo acuto, luminosità e colori possono risultare disuguali.
  Ciò non altera le prestazioni del prodotto.

Precauzioni durante il trasporto del monitor

- Fare in modo che siano sempre due persone a trasportare il monitor reggendolo con entrambe le mani, una per ciascun lato.
- Durante il trasporto non sollevare il monitor afferrando gli altoparlanti opzionali collegati.

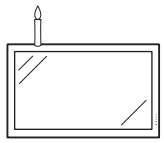


- Fulmini — Per proteggere ulteriormente l'apparecchio durante i temporali, o se viene lasciato incustodito o inutilizzato per lunghi periodi di tempo, scollegarlo dalla presa a muro. Ciò impedirà eventuali danni causati da fulmini o da sovratensioni sulla linea elettrica.

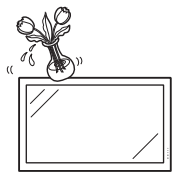


IMPORTANTI ISTRUZIONI DI SICUREZZA

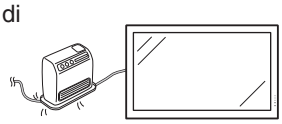
- Per evitare il rischio di incendi, non collocare mai candele né fiamme sopra o accanto al monitor.



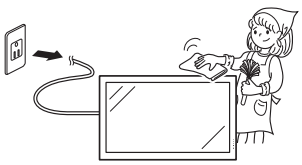
- Per evitare il rischio di incendi o di scosse elettriche, evitare il contatto del prodotto con sostanze liquide.
  Non posizionare sul prodotto oggetti contenenti liquidi, ad esempio vasi.



- Per evitare il rischio di incendi o di scosse elettriche, non sistemare il cavo di alimentazione sotto il monitor o altri oggetti pesanti.



- Spegnere l'alimentazione e scollegare il cavo dalla presa a muro prima di maneggiare il prodotto.
- Usare un panno morbido e detergere delicatamente la superficie del pannello. Se si utilizza un panno ruvido la superficie potrebbe graffiarsi.
- Usare un panno morbido e umido per detergere delicatamente il pannello quando è molto sporco (la superficie potrebbe graffiarsi se l'operazione viene eseguita con forza).
- Se il pannello è impolverato, pulirlo con un piumino antistatico disponibile in commercio.
- Per proteggere il pannello, non usare un panno sporco né detergenti liquidi o chimici per la pulizia poiché tali sostanze potrebbero danneggiarne la superficie.
- Per pulire il telaio esterno, usare lo stesso metodo. Non usare detergenti liquidi o spray.



- Non visualizzare a lungo un fermo immagine poiché potrebbe rimanere visualizzata un'immagine residua.

- Non sfregare né picchiettare il monitor con oggetti rigidi.
- SHARP CORPORATION non si assume alcuna responsabilità per errori commessi durante l'utilizzo da parte del cliente o di terzi, né per alcun altro malfunzionamento o danno al prodotto verificatosi durante l'uso, salvo i casi in cui la legge preveda l'obbligo del risarcimento.
- Questo monitor e i suoi accessori possono essere aggiornati senza preavviso.
- Non usare il monitor in luoghi molto polverosi, con elevata umidità o in cui l'apparecchio possa entrare in contatto con combustibili o vapore poiché ciò potrebbe causare incendi.
- Fare in modo che nessun oggetto tipo fermagli o spilli finisca all'interno del monitor in quanto ciò potrebbe causare incendi o scosse elettriche.

Tubi fluorescenti

- I tubi fluorescenti di questo prodotto hanno una durata limitata.
  * Se lo schermo perde luminosità, lampeggia o non si accende, sostituire i tubi fluorescenti con ricambi originali.
  * Per ulteriori informazioni, contattare il proprio rivenditore.
- Per effetto delle proprietà dei tubi fluorescenti, lo schermo potrebbe lampeggiare durante il primo periodo di utilizzo. Se ciò si verifica, spegnere il monitor e riaccenderlo per proseguire l'utilizzo.

Come accedere ai manuali di istruzioni in formato PDF

Nel CD-ROM sono compresi manuali di istruzioni in formato PDF in diverse lingue. Per utilizzare tali manuali, è necessario installare Adobe® Reader® sul computer in uso (Windows® o Macintosh®).

Scaricare Adobe® Reader® dal sito Internet http://www.adobe.com.

■ Accesso ai manuali PDF

Per Windows®:

1 Inserire il CD-ROM nella relativa unità.
2 Fare doppio clic sull'icona "Risorse del computer".
3 Fare doppio clic sull'unità CD-ROM.
4 **Se si desidera visualizzare il manuale di istruzioni**
1) Fare doppio clic sulle cartelle "MANUALS" e "M520_460".
2) Fare doppio clic sulla lingua (nome della cartella) desiderata.
3) Fare clic sul file PDF per accedere al manuale di istruzioni.

Se si desidera visualizzare il GUIDA DI IMPOSTAZIONE
1) Fare doppio clic sulle cartelle "SETUP" e "M520_460".
2) Fare doppio clic sulla lingua (nome della cartella) desiderata.
3) Fare clic sul file PDF per accedere al GUIDA DI IMPOSTAZIONE.

Per Macintosh®:

1 Inserire il CD-ROM nella relativa unità.
2 Fare doppio clic sull'icona del CD-ROM.
3 **Se si desidera visualizzare il manuale di istruzioni**
1) Fare doppio clic sulle cartelle "MANUALS" e "M520_460".
2) Fare doppio clic sulla lingua (nome della cartella) desiderata.
3) Fare clic sul file PDF per accedere al manuale di istruzioni.

Se si desidera visualizzare il GUIDA DI IMPOSTAZIONE
1) Fare doppio clic sulle cartelle "SETUP" e "M520_460".
2) Fare doppio clic sulla lingua (nome della cartella) desiderata.
3) Fare clic sul file PDF per accedere al GUIDA DI IMPOSTAZIONE.

Nota

- Se non si riesce ad aprire il file PDF desiderato facendo doppio clic con il mouse, avviare Adobe® Reader®, quindi specificare il file usando il comando "Apri" del menu "File".

GUIDA DI IMPOSTAZIONE

Consultare il "GUIDA DI IMPOSTAZIONE" contenuto nel CD-ROM allegato per i dettagli.

Specifiche RS-232C e impostazioni dei comandi.....2
Impostazione dell'ambiente di rete del monitor 10
Controllo del monitor tramite rete LAN 16
Impostazione del monitor usando RS-232C o Telnet.....21
Multischermo 31
Localizzazione dei guasti.....39

УВАЖАЕМЫЙ ПОКУПАТЕЛЬ ИЗДЕЛИЯ SHARP

Благодарим Вас за приобретение LCD монитора SHARP. Для обеспечения безопасности и длительной эксплуатации Вашего изделия просим Вас перед началом его эксплуатации ознакомиться с материалами разделов “ВАЖНЫЕ СВЕДЕНИЯ” и “МЕРЫ БЕЗОПАСНОСТИ” данного руководства.

ВАЖНЫЕ СВЕДЕНИЯ

ВНИМАНИЕ: ДЛЯ СНИЖЕНИЯ РИСКА ВОЗМОЖНОГО ВОЗГОРАНИЯ ИЛИ ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ НЕ ДОПУСКАЙТЕ ПОПАДАНИЯ АППАРАТА ПОД ДОЖДЬ ИЛИ В УСЛОВИЯ ПОВЫШЕННОЙ ВЛАЖНОСТИ.

ОСТОРОЖНО
ВОЗМОЖНО ПОРАЖЕНИЕ ТОКОМ НЕ ОТКРЫВАТЬ
ВНИМАНИЕ: ДЛЯ СНИЖЕНИЯ РИСКА ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ НЕ СНИМАЙТЕ КРЫШКУ (ИЛИ ЗАДНЮЮ ПАНЕЛЬ). ВНУТРИ НЕТ УЗЛОВ, ТРЕБУЮЩИХ УХОДА СО СТОРОНЫ ПОЛЬЗОВАТЕЛЯ. ОБРАТИТЕСЬ ДЛЯ ОБСЛУЖИВАНИЯ К КВАЛИФИЦИРОВАННЫМ СПЕЦИАЛИСТАМ.

Значок молнии внутри равнобедренного треугольника предупреждает пользователя о наличии опасного уровня напряжения под крышкой изделия, достаточного для поражения человека электрическим током.

Восклицательный знак внутри треугольника указывает на наличие важных сведений по работе с аппаратом или по уходу за ним в тексте инструкций, входящих в комплект поставки.

ВНИМАНИЕ: Данный монитор относится к изделиям Класса А. В домашних условиях он может создавать радиопомехи для других приборов. В этом случае может оказаться необходимым принятие пользователем адекватных мер.

ВАЖНЫЕ СВЕДЕНИЯ

В конструкции монитора использован свинцово-оловянный припой, а в составе заполнения лампы дневного света содержится небольшое количество ртути. Утилизация данных материалов может регулироваться требованиями законодательства об охране окружающей среды. По вопросу об утилизации заменяемых узлов обратитесь в местные органы управления.

Уполномоченный представитель на территории Евросоюза

Sharp Electronics (Europe) GmbH
Sonningstrsse 3, D-20097 Hamburg

МЕРЫ БЕЗОПАСНОСТИ

Электроэнергия позволяет использовать множество полезных функций, но она также может при неправильной эксплуатации оказаться причиной негативного воздействия на здоровье человека и его собственность. Первостепенным приоритетом при разработке и создании данного устройства являлась его безопасность. Однако ошибки при работе с ним могут привести к поражению электрическим током и/или к возникновению пожара. Для предупреждения возможных негативных последствий просим Вас при установке монитора, его эксплуатации и чистке соблюдать приведенные ниже требования. Для обеспечения безопасности и продления срока эксплуатации монитора перед работой внимательно ознакомьтесь с мерами безопасности.

1) Прочтите данное руководство.
2) Сохраните его в доступном месте.
3) Обратите внимание на содержащиеся в руководстве предупреждения.
4) Выполняйте все приведенные указания.
5) Не работайте с монитором поблизости от воды.
6) Производите чистку монитора только при помощи сухой ткани.
7) Не допускайте блокировки вентиляционных отверстий. Соблюдайте все указания производителя по установке монитора.
8) Не устанавливайте монитор рядом с нагревательными приборами - отопительными батареями, печами и прочими устройствами (включая усилители), являющимися источниками тепла.
9) В целях безопасности не меняйте вилку полярного типа или вилку с заземлением. В первой из них имеются два контакта, один из которых шире другого, а во второй использован дополнительный штырек для заземления. Более широкий контакт или дополнительный штырек обеспечивают безопасность подключения. Если вилка не подходит к Вашей розетке, обратитесь к специалисту для замены сетевой розетки.
10) Не допускайте такого расположения шнура питания, при котором на него можно наступить или зацепить его. Особое внимание уделите участкам рядом с вилкой или на выходе из аппарата.
11) Используйте только крепления и приспособления, рекомендованные производителем.
12) Используйте только подставки, тумбы, треножники, крепления, стойки, рекомендованные производителем или продаваемые вместе с монитором. При транспортировке аппарата на тележке будьте осторожны с тем, чтобы не получить увечья при падении аппарата.

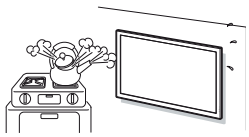
13) Выключайте питание аппарата во время грозы или если он долго не будет использоваться.
14) Доверьте выполнение сервисного обслуживания квалифицированным специалистам. Сервисное обслуживание необходимо при любом повреждении, например, поломек вилки или повреждении шнура питания, при попадании жидкости в аппарат или при механимческом повреждении устройства, а также после попадания аппарата под дождь, при сбоях в работе монитора или при его падении.

Дополнительные сведения о мерах безопасности

15) Источники питания - Характеристика источника питания аппарата должна полностью соответствовать данным, указанным на табличке, прикрепленной к монитору. Если у Вас есть сомнения относительно имеющегося источника питания, обратитесь к дилеру или специалисту энергетической компании. Требования к батарейкам или иным дополнительным источникам указаны в руководстве.
16) Перегрузка - Не допускайте воздействия перегрузки на сетевые розетки, подключая к ним дополнительные приборы; это может привести к возгоранию или поражению током.
17) Попадание внутрь аппарата посторонних предметов или жидкости - Не допускайте попадания посторонних предметов внутрь аппарата через отверстия в корпусе. Это может привести к короткому замыканию с последующим возгоранием или поражением током. Не допускайте попадания жидкости на корпус аппарата.
18) Повреждения, требующие вызова специалиста - В следующих случаях отключите аппарат от розетки и вызовите квалифицированного специалиста:
    a) При повреждении шнура питания или вилки.
    b) При попадании жидкости или постороннего предмета внутрь аппарата.
    c) При воздействии дождя или падения аппарата в воду.
    d) При сбоях в работе аппарата при выполнении всех требований руководства. Выполняйте только те настройки, описание которых приведено в руководстве, в противном случае аппарат может быть поврежден и потребует сложной работы квалифицированного специалиста по его восстановлению.
    e) При падении аппарата или ином его повреждении.
    f) При значительных отклонениях в работе аппарата - это указывает на необходимость сервисного обслуживания.
19) Замена узлов и деталей - При необходимости проведения замены убедитесь в том, что специалист использует новые узлы и детали из числа рекомендованных производителем, либо в том, что характеристики этих узлов и деталей полностью соответствуют оригиналам. Некачественная замена может привести к поражению током, возгораниям или иным негативным последствиям.
20) Проверка безопасности - По завершении сервисных работ или ремонта попросите специалиста выполнить проверку работы аппарата.
21) Установка аппарата на стене - Соблюдайте при установке монитора на стене все рекомендации производителя.
22) Жидкокристаллическая панель монитора выполнена из стекла. При падении или механическом повреждении она может разбиться. В подобном случае будьте осторожны с тем, чтобы не причинить вред своему здоровью осколками разбитой панели.

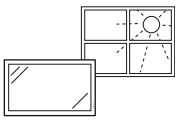
МЕРЫ БЕЗОПАСНОСТИ

- Вода и влага - Не работайте с монитором вблизи воды, например, рядом с ванной, стиральной машиной, кухонной мойкой, а также на влажной подставке или вблизи плавательного басеейна и т.п.



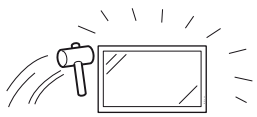
- Стойка - Не размещайте монитор на непрочных стендах, тележках, треножниках или столах. Ненадежность опоры может привести к падению аппарата и его поломке, а также к нанесению вреда Вашему здоровью. Используйте столы, тележки, стенды, крепежные приспособления и треножники, рекомендованные производителем мониторов или продаваемые в комплекте с ними. Не подвергайте монитор сильным механическим ударам или вибрациям. При установке монитора на стене следуйте рекомендациям производителя, используйте крепежные детали из числа определенных производителем.

- Выбор места для установки - Выберите место, удаленное от прямых солнечных лучей и хорошо проветриваемое.

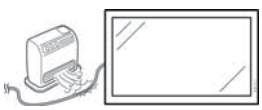


- Вентиляция - Отверстия на корпусе монитора предназначены для вентиляции и охлаждения внутренних деталей. Не допускайте блокировки этих отверстий, это приведет к перегреву внутренних узлов и деталей монитора и к сокращению срока эксплуатации изделия. Не размещайте монитор на кроватях, диванах, полках и т.п.; это может привести к блокировке отверстий. Данный монитор не предназначен для встроенного размещения; не помещайте его на полках, если не обеспечивается его вентиляция в соответствии с требованиями производителя.

- Жидкокристаллическая панель монитора выполнена из стекла. При падении или механическом повреждении она может разбиться. Будьте осторожны с тем, чтобы не причинить вред своему здоровью осколками разбитой панели.



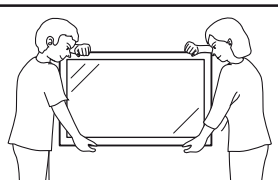
- Воздействие тепла - Не устанавливайте монитор рядом с нагревательными приборами - отопительными батареями, печами и прочими устройствами (включая усилители), являющимися источниками тепла.



- Жидкокристаллическая панель является высокотехнологичным изделием, включающим в себя 2073600 пиксельных элементов.
  Иногда на экране могут появляться неактивизированные элементы в виде точек синего, зеленого или красного цвета. Также, при просмотре под острым углом насыщенность цветов и яркость изображения могут казаться недостаточными.
  Указанные явления не оказывают какого-либо влияния на работу монитора.

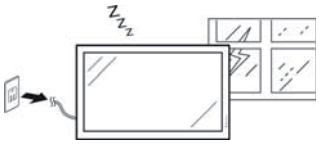
Предосторожности при транспортировке монитора

- Переноска монитора должна осуществляться вдвоем, при этом каждый должен удерживать аппарат двумя руками с каждого края.
- При переноске не удерживайте монитор за прикрепленные к корпусу динамики.

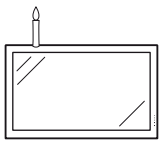


МЕРЫ БЕЗОПАСНОСТИ

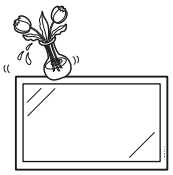
- Во время грозы - Для дополнительной защиты монитора во время грозы или при длительном периоде его неиспользования отключите аппарат от сетевой розетки. Это предупредит повреждение аппарата, вызванное грозой или скачками напряжения в сети.



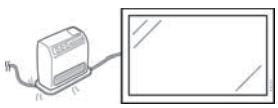
- Для предупреждения возможного возгорания не размещайте свечи или светильники на верхней панели монитора или вблизи от него.



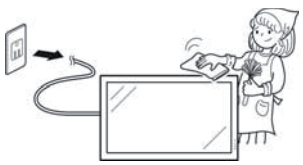
- Для предупреждения возможного возгорания или поражения электрическим током не допускайте попадания капель жидкости на монитор. Не допускайте размещения на мониторе объектов, заполненных жидкостью, таких как вазы с цветами и т.п.



- Для предупреждения поражения электрическим током не допускайте размещения шнура питания под монитором или другими тяжелыми предметами.



- Перед началом чистки монитора выключите его питание и отключите шнур питания от сетевой розетки.
- Поверхность панели аккуратно очищайте сухой тканью. Грубая ткань может оставить царапины на поверхности панели.
- При сильном загрязнении панели ткань можно слегка увлажнить. (Не прилагайте при этом усилий, чтобы не оставить царапин на поверхности панели).
- Если панель покрыта слоем пыли, используйте антистатическую кисть, приобретаемую отдельно.
- Для защиты панели не используйте при чистке загрязненную ткань, жидкие чистящие или химические материалы; поверхность панели может быть повреждена.
- Для чистки корпуса монитора используйте такую же методику. Не применяйте жидких чистящих веществ и аэрозолей.



- Не удерживайте изображение стоп-кадра на экране в течение долгого времени, на поверхности дисплея может сохраняться остаточное изображение.

МЕРЫ БЕЗОПАСНОСТИ

- Не допускайте соударения монитора с твердыми предметами.
- SHARP CORPORATION не несет ответственности за ошибки пользователя или третьих лиц, а также за проблемы в работе и повреждения данного изделия, если они напрямую не определены соответствующим законодательством.
- Конструкция монитора и дополнительных принадлежностей может быть изменена производителем с целью усовершенствования без предварительного уведомления.
- Не используйте монитор в запыленном или влажном помещении, не допускайте его контакта с маслами или паром - все это может оказаться причиной возгорания аппарата.
- Не допускайте попадания скрепок, кнопок и тому подобных предметов внутрь монитора - это может привести к загоранию или поражению пользователя электрическим током.

Флуоресцентные лампы

- Лампы данного монитора имеют ограниченный срок эксплуатации.
  - Если экран темный, мигает или не включается, замените лампы на новые.
  - Для получения более подробной информации о лампах обратитесь к Вашему дилеру.

- В зависимости от индивидуальных особенностей ламп в начальный переиод эксплуатации может наблюдаться мигание экрана. В этом случае выключите питание монитора, а затем включите вновь.

Доступ к руководствам в формате PDF

На диске CD-ROM записаны руководства по эксплуатации в формате PDF на нескольких языках. Для использования указанных выше руководств необходимо установить программу Adobe® Reader® на Вашем компьютере (Windows® или Macintosh®).

Загрузите программу Adobe® Reader® из сети Internet (http://www.adobe.com).

■ Доступ к руководствам в формате PDF

Для Windows®

1 Установите диск CD-ROM в приводе CD-ROM.

2 Дважды щелкните на пиктограмме “Мой компьютер”.

3 Дважды щелкните на пиктограмме привода “CD-ROM”.

4 Если Вам нужно руководство по эксплуатации

1) Дважды щелкните на “MANUALS” и на папке “M520_460”.

2) Дважды щелкните на папке нужного языка (имя папки).

3) Дважды щелкните на PDF файле для доступа к руководству по эксплуатации.

Если Вам нужно руководство по настройке

1) Дважды щелкните на “SETUP” и на папке “M520_460”.

2) Дважды щелкните на папке нужного языка (имя папки).

3) Дважды щелкните на PDF файле для доступа к руководству по настройке.

Для Macintosh®

1 Установите диск CD-ROM в приводе CD-ROM.

2 Дважды щелкните на пиктограмме привода “CD-ROM”.

3 Если Вам нужно руководство по эксплуатации

1) Дважды щелкните на “MANUALS” и на папке “M520_460”.

2) Дважды щелкните на папке нужного языка (имя папки).

3) Дважды щелкните на PDF файле для доступа к руководству по эксплуатации.

Если Вам нужно руководство по настройке

1) Дважды щелкните на “SETUP” и на папке “M520_460”.

2) Дважды щелкните на папке нужного языка (имя папки).

3) Дважды щелкните на PDF файле для доступа к руководству по настройке.

Примечание

- Если PDF файл не откроется после двойного щелчка мышью, то сначала запустите Adobe® Reader®, а затем укажите нужный файл при помощи меню “File”, “Open”.

РУКОВОДСТВО ПО НАСТРОЙКЕ

Для получения более подробной информации обратитесь к файлу “SETUP MANUAL”, записанному на диске CD-ROM.

RS-232C Спецификации и команды 4
Установка сетевого окружения монитора 10
Управление монитором через LAN 16
Установка монитора через RS-232C или Telnet 21
Мультиэкранное проецирование 31
Неполадки и методы их устранения 39

كيفية الوصول الى دلائل التشغيل PDF

دلائل التشغيل PDF المكتوبة ببعض اللغات مضمونة في الاسطوانة CD-ROM. لاستعمال هذه الدلائل، تحتاج الى تحميل البرنامج ®Adobe® Reader في الكمبيوتر لديك (®Windows أو ®Macintosh).

يرجى تنزيل البرنامج ®Adobe® Reader من موقع الانترنت (http://www.adobe.com).

■ الوصول الى الدلائل PDF

للكمبيوتر ®Windows:

١ قم بتحميل الاسطوانة CD-ROM في المشغل CD-ROM.
٢ انقر الأيقونة «My Computer» مرتين.
٣ انقر المشغل «CD-ROM» مرتين.
٤ **عندما ترغب في مشاهدة دليل التشغيل**
١) انقر «MANUALS» والمجلد «M520_460» مرتين.
٢) انقر اللغة (إسم المجلد) المراد عرضها على الشاشة مرتين.
٣) انقر الملف PDF مرتين للوصول الى دليل التشغيل.

عندما ترغب في مشاهدة دليل الإعداد
١) انقر «SETUP» والمجلد «M520_460» مرتين.
٢) انقر اللغة (إسم المجلد) المراد عرضها على الشاشة مرتين.
٣) انقر الملف PDF مرتين للوصول الى دليل الإعداد.

للكمبيوتر ®Macintosh:

١ قم بتحميل الاسطوانة CD-ROM في المشغل CD-ROM.
٢ انقر الأيقونة «CD-ROM» مرتين.
٣ **عندما ترغب في مشاهدة دليل التشغيل**
١) انقر «MANUALS» والمجلد «M520_460» مرتين.
٢) انقر اللغة (إسم المجلد) المراد عرضها على الشاشة مرتين.
٣) انقر الملف PDF مرتين للوصول الى دليل التشغيل.

عندما ترغب في مشاهدة دليل الإعداد
١) انقر «SETUP» والمجلد «M520_460» مرتين.
٢) انقر اللغة (إسم المجلد) المراد عرضها على الشاشة مرتين.
٣) انقر الملف PDF مرتين للوصول الى دليل الإعداد.

ملاحظة

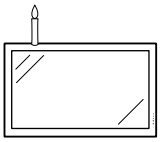
- إذا لم تتمكن من فتح الملف PDF المرغوب حتى بواسطة نقر الماوس مرتين، ابدأ تشغيل البرنامج ®Adobe® Reader أولاً، ومن ثم قم بتحديد الملف المرغوب باستعمال القائمة «File» و«Open».

دليل الإعداد

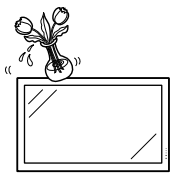
راجع «دليل الإعداد» المتضمن في الاسطوانة CD-ROM المرفقة للمزيد من التفاصيل.

أوامر ومواصفات RS-232C..... ٢
إعداد بيئة شبكة الشاشة..... ١٠
التحكم في الشاشة عن طريق الشبكة المحلية ١٦
إعداد الشاشة باستخدام RS-232C أو شبكة اتصال عن بعد ٢١
الشاشة المتعددة ٣١
استكشاف المشكلات وحلها ٣٩

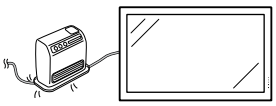
تعليمات هامة لضمان السلامة



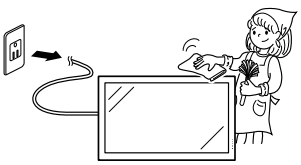
- لتفادي حدوث حريق، لا تعمد مطلقاً إلى وضع أي نوع من الشمعات أو مصادر اللهب فوق الشاشة أو بالقرب منها.



- لتفادي خطر نشوب حريق أو صدمة كهربائية، لا تعرض هذا المنتج للتقطر أو الرذاذ.
يجب عدم وضع أشياء ممتلئة بالسوائل، كالمزهريات مثلاً، على المنتج.



- لتفادي خطر نشوب حريق أو صدمة كهربائية، لا تضع سلك توصيل الطاقة تحت الشاشة أو تحت أشياء أخرى ثقيلة.



- اقطع الطاقة وافصل سلك توصيل الطاقة من المأخذ الجداري قبل التعامل مع الجهاز.
- استعمل خرقة وامسح سطح لوحة الشاشة بلطف. القيام باستعمال خرقة خشنة قد تخدش سطح اللوحة.
- استعمل خرقة ناعمة رطبة لمسح اللوحة بلطف عندما تتسخ.
(قد ينخدش سطح اللوحة عند مسحها بقوة.)
- إذا تجمع الغبار على اللوحة، استعمل فرشة مقاومة للكهربية الاستاتيكية، تباع بالسوق، لتنظيفها.
- لحماية اللوحة، لا تستعمل خرقة وسخة أو منظفات سائلة أو خرقة معالجة كيميائياً لتنظيفها. يمكن لتلك المواد أن تتلف سطح اللوحة.
- للتنظيف الهيكل الخارجي، استعمل نفس الأسلوب. لا تستعمل منظفات سائلة أو بخاخة.

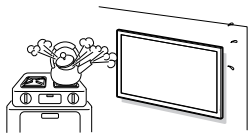
- لا تعرض صور ثابتة لفترة طويلة، حيث قد يؤدي ذلك إلى ظاهرة تخلف الصور.

- لا تحك أو تنقر الشاشة بأشياء صلبة.
- يرجى معرفة أن شركة SHARP CORPORATION لا تتحمل أية مسؤولية عن أخطاء ناجمة أثناء استعمال المستهلك أو طرف ثالث، ولا تتحمل أية مسؤولية عن أي نوع آخر من الخلل أو التلف في هذا المنتج من جراء الاستعمال، باستثناء حالات الضمان المدرجة وفق القانون.
- قد يتم تحديث هذه الشاشة وكمالياتها دون اشعار مسبق.
- لا تعمد الى استعمال هذه الشاشة عندما يتراكم عليها الكثير من الغبار، حيث تكون الرطوبة عالية، أو عندما تكون الشاشة ملامسة للزيت أو البخار، حيث قد يؤدي ذلك إلى نشوب حريق.
- احرص على عدم دخول أشياء مثل مشابك الورق أو الدبابيس داخل الشاشة حيث قد يؤدي ذلك إلى نشوب حريق أو حدوث صدمة كهربائية.

مصابيح الفلورسنت

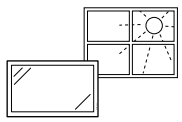
- مصابيح الفلورسنت في هذا المنتج محدودة العمر.
  * إذا اصبحت الشاشة معتمة أو تومض أو لا تتحول إلى وضع التشغيل، قم بتغيير مصابيح الفلورسنت بمصابيح خاصة جديدة.
  * لمزيد من التفاصيل، يرجى الاتصال بوكيل المنتج.
- بسبب خصوصية مصابيح الفلورسنت، قد تومض الشاشة خلال الفترة الأولية من الاستعمال. إذا حدث ذلك، يرجى اطفاء الشاشة وتشغيلها مرة أخرى للتأكد من التشغيل.

تعليمات هامة لضمان السلامة



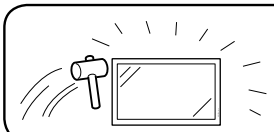
- الماء والرطوبة — لا تستعمل هذا المنتج بالقرب من الماء - على سبيل المثال، بالقرب من حوض الحمام أو المغسلة أو مغسلة المطبخ أو حوض غسيل الملابس أو في دور سفلي رطب أو بالقرب من بركة السباحة أو ما شابه ذلك.

- الحامل — لا تضع المنتج على عربة أو حامل أو حامل ثلاثي الأرجل أو منضدة غير مستقرة. القيام بوضع المنتج على قاعدة غير مستقرة يمكن أن يتسبب في سقوطه، مما يؤدي إلى اصابات جسمانية خطيرة كذلك الحاق الضرر بالمنتج. استعمل عربة أو حامل أو حامل ثلاثي الأرجل أو سناد أو منضدة موصى بها من قبل الصانع أو تباع من المنتج. لا تسمح بتعرض الشاشة لصدمة قوية أو اهتزاز قوي. عند تركيب المنتج على الجدار، تأكد من اتباع تعليمات الصانع. استعمل فقط المكونات الصلبة الخاصة بالتركيب الموصى به من قبل الصانع.

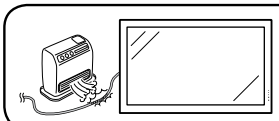


- اختيار المكان — اختر مكان غير معرض لأشعة الشمس المباشرة ويجب أن يكون جيد التهوية.

- التهوية — فتحات التهوية والفتحات الأخرى في الهيكل مصممة للتهوية. لا تقم بسد أو تغطية فتحات التهوية والفتحات الأخرى حيث يمكن أن تتسبب التهوية غير الكافية في تسخين زائد و/ أو تقصير عمر المنتج. لا تضع المنتج على سرير أو أريكة أو سجادة أو سطح مشابه، حيث يمكن أن يتسبب في انسداد فتحات التهوية. هذا المنتج غير مصمم للتركيب الداخلي؛ لا تضع هذا المنتج في مكان مغلق كخزانة الكتب أو رف، ما لم تتوفر تهوية مناسبة أو اتباع تعليمات الصانع.

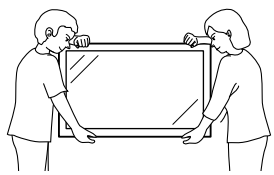


- لوحة الكريستال السائل المستخدمة في هذا المنتج مصنوعة من الزجاج. لذلك، يمكن أن تنكسر اذا ما سقط المنتج أو تعرض لصدمة. توخى الحذر كي لا تتعرض لجروح بواسطة قطع الزجاج المنكسر في حالة انكسار اللوحة.



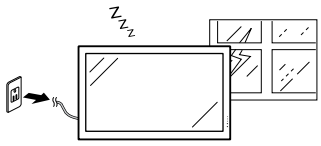
- الحرارة — يجب أن يكون الجهاز بعيداً عن مصادر الحرارة كالمشعات أو أجهزة قياس الحرارة أو المدافئ أو الأجهزة الأخرى (بما في ذلك مضخمات الصوت) التي تولد حرارة.

- لوحة الكريستال السائل عبارة عن منتج عالي التقنية يستعمل ٢٠٧٣٦٠٠ بيكسل، ويمنح صورة واضحة التفاصيل.
أحياناً، قد تظهر بعض البيكسلات غير الفعالة على الشاشة كنقاط ثابتة زرقاء أو خضراء أو حمراء. كذلك، اذا تم مشاهدة الشاشة من زاوية واقعية قد تشاهد ألوان غير مستقرة أو سطوع.
يرجى الانتباه إلى أن ذلك لا يؤثر على أداء منتجك.



تنبيهات احتياطية عند نقل الشاشة

- تأكد من قيام شخصين بحمل الشاشة على أن يمسكاها بكلتي يديهما — يد على كل جانب من جانبي الشاشة.
- لا تمسك السماعات الاختيارية المثبتة عند نقل الشاشة.



- البرق — من أجل تحقيق حماية اضافية لهذه الشاشة أثناء البرق، أو عند تركها بدون استعمال لفترة طويلة، افصلها من المقبس الجداري. هذا الاجراء سيحول دون تعرض الجهاز للتلف بسبب البرق واندفاعات الطاقة الرئيسية.

تعليمات هامة لضمان السلامة

يتم استعمال الطاقة الكهربائية لتشغيل الكثير من الوظائف المفيدة، إلا انها قادرة ايضاً على الحاق الأذى بالأشخاص وتدمير الممتلكات اذا أسئ التعامل معها. تم تصميم وتصنيع هذا المنتج مع اعطاء الأولوية القصوى للسلامة. إلا أن الاستعمال غير المناسب يمكن أن يتسبب في مخاطر حدوث صدمة كهربائية و/ أو نشوب حريق. لتفادي وقوع خطر محتمل، يرجى مراعاة التعليمات التالية عند تركيب وتشغيل وتنظيف المنتج. لضمان سلامتك واستعمال شاشة الكريستال السائل LCD لفترة أطول، يرجى قراءة التنبيهات الاحتياطية التالية بعناية قبل استعمال المنتج.

١) اقرء هذه التعليمات.
٢) احتفظ بهذه التعليمات.
٣) انتبه إلى جميع التحذيرات.
٤) اتبع جميع التعليمات.
٥) لا تستعمل هذا الجهاز بالقرب من الماء.
٦) قم بالتنظيف باستعمال خرقة جافة فقط.
٧) لا تسد أي من فتحات التهوية. قم بالتركيب وفقاً لتعليمات الصانع.
٨) لا تقم بالتركيب بالقرب من مصادر الحرارة كالمشعات أو أجهزة قياس الحرارة أو المدافئ أو الأجهزة الأخرى (بما في ذلك مضخمات الصوت) التي تولد حرارة.
٩) لا تتجاهل غرض السلامة للقابس من النوع المستقطب أو المؤرض. القابس المستقطب يحتوي على شفرتين أحدهما اعرض من الأخرى. أما القابس المؤرض يحتوي على شفرتين وثالثة هي شوكة تأريض. تم تجهيز الشفرة العريضة أو الشوكة الثالثة من أجل سلامتك. إذا لم يتلائم القابس المرفق مع المأخذ الطاقة لديك، استشر كهربائي متخصص لاستبدال المأخذ الذي لا يمكن استعماله.
١٠) حافظ على سلك توصيل الطاقة كي لا يتم الدعس عليه أو احتباسه في القابسات أو مقابس مناسبة، والنقاط التي تخرج من الأجهزة.
١١) استعمل الملحقات/ الكماليات المحددة من قبل الصانع فقط.
١٢) استعمله فقط مع العربة أو الحامل أو الحامل ثلاثي الأرجل أو السناد أو المنضدة المحددة من قبل الصانع، أو التي تباع مع الجهاز. عند استعمال عربة، توخى الحذر عند تحريك مجموعة العربة/ الجهاز لتفادي الاصابات من جراء الانقلاب.
١٣) افصل هذا الجهاز عند حدوث البرق أو عند عدم استعماله لفترة طويلة.
١٤) اسند جميع عمليات الصيانة إلى فني خدمات مؤهل. تحتاج إلى صيانة الجهاز عند تعرضه لأضرار لأي سبب كان، كتلف سلك امداد الطاقة أو القابس مثلاً، أو عند انسكاب سائل عليه أو سقوط أشياء في داخله أو عند تعرض الجهاز للمطر أو الرطوبة أو عندما لا يعمل بشكل عادي أو عند سقوطه.

معلومات اضافية عن السلامة

١٥) مصادر الطاقة — يجب تشغيل هذا المنتج فقط من نوع مصدر الطاقة المبين على بطاقة التأشير. إذا لم تكن متأكد من نوع امداد الطاقة في بيتك، استشر الوكيل أو شركة الطاقة الكهربائية المحلية. بالنسبة للمنتجات المخصصة للتشغيل من طاقة البطارية أو مصادر أخرى، راجع تعليمات التشغيل.
١٦) التحميل الزائد — لا تسلط حملاً زائداً على المآخذ الجدارية أو أسلاك التمديد أو مقابس مناسبة حيث يمكن أن يتسبب ذلك في مخاطر نشوب حريق أو صدمة كهربائية.
١٧) دخول الأشياء والسوائل — لا تعمد مطلقاً إلى دفع أي نوع من الاشياء داخل هذا المنتج من خلال الفتحات حيث يمكن لتلك الأشياء أن تتلامس مع نقاط فولطية خطيرة يمكن أن تسبب نشوب حريق أو صدمة كهربائية. لا تعمد مطلقاً إلى سكب أي نوع من السوائل على المنتج.
١٨) تلف يتطلب صيانة — افصل هذا المنتج من المأخذ الجداري وأسند عملية الصيانة إلى فني صيانة مؤهل في الحالات التالية:
أ) عند تلف سلك التيار أو القابس.
ب) إذا انسكب سائل على الجهاز، أو اذا دخلت أشياء بداخله.
جـ) إذا تعرض هذا المنتج للمطر أو الماء.
د) إذا لم يعمل المنتج بشكل عادي بواسطة عمليات التشغيل التالية.
اضبط فقط مفاتيح التحكم المدرجة في تعليمات التشغيل حيث قد يحصل ضبط غير مناسب لمفاتيح التحكم الأخرى في حالة حدوث تلف وغالباً ما تتطلب عمل شامل من قبل فني مؤهل من أجل استعادة الجهاز إلى وضع التشغيل العادي.
هـ) إذا سقط المنتج أو تعرض لضرر ما.
و) عندما تكتشف تغيير ملحوظ في الأداء - هذا يشير إلى الحاجة لاجراء صيانة.
١٩) استبدال الأجزاء — عند الحاجة لاستبدال الأجزاء، تأكد من قيام فني الصيانة باستعمال قطع غيار محددة من قبل الصانع أو قطع غيار لها نفس مزايا الأجزاء الأصلية. البدائل غير المرخص بها يمكن أن تسبب نشوب حريق أو صدمة كهربائية أو مخاطر أخرى.
٢٠) التحقق من السلامة — لاكمال أي عمليات صيانة أو تصليح لهذا المنتج، اطلب من فني الصيانة اجراء فحوصات السلامة للتأكد من أن المنتج يعمل بحالة مناسبة.
٢١) التركيب على الجدار — عند تركيب المنتج على الجدار، تأكد من تركيب المنتج وفقاً للأسلوب الموصى به من قبل الصانع.
٢٢) لوحة كريستال السائل LCD المستعملة في هذا المنتج مصنوعة من الزجاج. لذلك، يمكن أن تنكسر اذا سقط المنتج أو اذا تعرض لصدمة. توخى الحذر كي لا تتعرض لجروح بواسطة قطع الزجاج المنكسر اذا ما انكسرت لوحة الكريستال السائل LCD.

معلومات هامة

معلومات:

تم اختبار هذا المنتج وتبين أنه يمتثل لقيود الجهاز الرقمي من الفئة Class B، حسب الجزء ١٥ من قوانين لجنة الاتصالات الاتحادية FCC. تم تصميم هذه القيود لتحقيق حماية مقبولة من التشويش المؤذي في بيئة التركيب المنزلية. هذا المنتج يولد ويستعمل وقادر على اشعاع طاقة تردد لاسلكية، واذا لم يتم تركيبه واستعماله وفقاً للتعليمات، يمكن أن يسبب تشويش مؤذي على الاتصالات اللاسلكية. إلا أنه، لا يمكن ضمان عدم حدوث تشويش في تركيب خاص. إذا تسبب هذا المنتج في تشويش مؤذي على استقبال الراديو والتلفزيون، والذي يمكن اكتشافه من خلال اطفاء الجهاز وتشغيله، نشجع المستخدم على محاولة تصحيح التشويش بواسطة أحد الاجراءات التالية:

– تغيير اتجاه أو مكان هوائي الاستقبال.
– زيادة المسافة الفاصلة بين الجهاز وجهاز الاستقبال.
– توصيل الجهاز بمأخذ في دائرة كهربائية تختلف عن تلك التي يكون جهاز الاستقبال موصولاً بها.
– استشر الوكيل أو فني ذو خبرة في مجال الراديو/ التلفزيون للمساعدة.

الولايات المتحدة الأمريكية فقط

اعلان امتثال:

شاشة الكريستال السائل SHARP LCD، الموديل TL-M5200/TL-M4600

هذا الجهاز يمتثل للجزء ١٥ من قوانين لجنة الاتصالات الاتحادية FCC. التشغيل خاضع للشرطين التاليين:

(١) هذا الجهاز قد لا يسبب تشويش مؤذي، و (٢) هذا الجهاز يقبل أي تشويش يتم استقباله، بما في ذلك التشويش الذي قد يتسبب في تشغيل غير مرغوب به.

الطرف المسؤول:

SHARP ELECTRONICS CORPORATION

العنوان: Sharp Plaza, Mahwah, New Jersey 07495-1163

هاتف: 1-800-BE-SHARP

لزبائن الأعمال التجارية: الموقع على شبكة الانترنت http://www.sharpusa.com

الولايات المتحدة الأمريكية فقط

هذا المنتج يستخدم لحام القصدير، ومصباح فلورسنت يحتوي على مقدار قليل من الزئبق. قد يتم التخلص من هذه المواد وفقاً لضوابط مراعاة البيئة. بخصوص المعلومات المتعلقة بالتخلص من الجهاز أو المعلومات المتعلقة بإعادة التدوير، يرجى استشارة السلطات المحلية أو حلف الصناعات الإلكترونية: www.eiae.org، أو منظمة إدارة تدوير المصابيح: www.lamprecycle.org أو شركة شارب Sharp على الرقم 1-800-BE- SHARP

الولايات المتحدة الأمريكية فقط

الممثل المرخص المسؤول عن سوق الاتحاد الأوروبي

Sharp Electronics (Europe) GmbH
Sonninstraße 3, D-20097 Hamburg

الاتحاد الأوروبي فقط

Appendix

عزيزنا زبون SHARP

عربي

شكراً جزيلاً على شرائك شاشة الكريستال السائل SHARP LCD. لضمان السلامة وتشغيل المنتج لفترة طويلة بدون مشاكل، يرجى قراءة «معلومات هامة» و «تعليمات هامة عن السلامة» بعناية قبل تشغيل هذا المنتج.

معلومات هامة

تحذير: **لتقليل مخاطر نشوب حريق أو وقوع صدمة كهربائية، لا تعرض هذا المنتج للمطر أو الرطوبة.**

تنبيه: **لتقليل خطر التعرض لصدمة كهربائية، لا تنزع الغطاء (أو الغطاء الخلفي). لا توجد أجزاء داخلية بمقدور المستخدم صيانتها.**
اسند عملية الصيانة إلى فني صيانة مؤهل.

علامة رأس السهم الوماضة داخل المثلث المتساوي الأضلاع، تهدف إلى تحذير المستخدم من وجود «فولطية خطيرة» غير معزولة تحتويها الأجزاء الداخلية للمنتج والتي قد تكون بمقدار كاف لتتسبب في مخاطر تعرض الأشخاص لصدمة كهربائية.

علامة التعجب داخل المثلث المتساوي الأضلاع، تهدف إلى تحذير المستخدم من وجود تعليمات هامة تتعلق بعمليات التشغيل والصيانة (الخدمة) ضمن دليل التشغيل المرفق مع المنتج.

تحذير: هذا المنتج من الفئة Class A. في البيئة المنزلية قد يتسبب هذا المنتج في تشويش لاسلكي. في مثل هذه الحالات يجب على المستخدم اتخاذ تدابير مناسبة.

تحذير: قوانين لجنة الاتصالات الاتحادية FCC تشير إلى أن القيام بإجراء أي تغييرات أو تعديلات على هذا الجهاز دون الحصول على مصادقة من المنتج بشكل جلي يمكن أن تُلغي تخويل المستخدم في تشغيل هذا المنتج.

الولايات المتحدة الأمريكية فقط

تنبيه: هذا المنتج يلبي قوانين لجنة الاتصالات الاتحادية FCC عند استعمال كبلات وأطراف توصيل محجوبة لتوصيل الوحدة إلى جهاز آخر. لتفادي حدوث تشويش إلكترومغناطيسي بواسطة الأجهزة الكهربائية كأجهزة الفيديو مثلا، استعمل كبلات وأطراف توصيل محجوبة للتوصيلات.

الولايات المتحدة الأمريكية فقط